

Grey / Project completeness

114 additional project profiles

Bangel is the language; MJos is the operating system. The MJos Predictive Model retains its distinct project identity. Elsa is the compiler, JP admission is independent, and Joanna handles admitted execution and processing.

These papers reconcile recovered source definitions, historical discussions and expressly requested profiles. Source status and proposed language contracts remain explicit. Gold and Indigo follow recovered overview rules; they are new reconstructions. White papers are excluded.

This local review edition does not establish deployed software, validated physical performance or clinical capability. Original private chat transcripts are not included.

Elsa Compiler - Terminology and reconciliation

MJPE-COMPLETE-20260925-ELSA-COMPILER-GREY | Source-backed documentary sequence — execution not rerun

Elsa Compiler / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Elsa Compiler

DEFINITION

Compiles Bangel source through parsing, name resolution, unit and semantic checks, lowering and verification into typed JP-IR.

RELATIONSHIP

Current compiler in the Bangel toolchain; carries the historical semantic-recovery role.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceText: UTF-8 Bangel source
- GrammarProfile: explicit version
- Effects: declared closed set
- CompileResult: JP-IR or source-spanned diagnostic

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Elsa/1; ELSA-SEMANTICS

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- [language/python/src/bangel/compiler.py · line 59](#)
<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/compiler.py#L59>
- [specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 14](#)
<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L14>
- Recovered nonwhite collection, page 1375
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1375>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Compiles Bangel source and checks its meaning before producing the typed representation consumed by JP and Joanna.

SOURCE REFERENCES

- [language/python/src/bangel/compiler.py · line 59](#)
- [specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 14](#)
- [Recovered nonwhite collection, page 1375](#)

JP Representation - Terminology and reconciliation

MJPE-COMPLETE-20260925-JP-REPRESENTATION-GREY | Source-backed documentary sequence — execution not rerun

JP Representation / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

JP Representation

DEFINITION

Carries canonical typed mathematical, algorithmic and architecture representations. The general toolchain emits JP-IR/1 for independent admission before execution.

RELATIONSHIP

JP-IR/1, JP-CIR and proposed JPArchitectureIR retain separate contracts.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- RepresentationProfile: JP-IR/1 or separately named profile
- CanonicalBytes: exact serialization
- SourceDigest: SHA-256
- AdmissionResult: accepted or rejected with reason

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

JP; JP-IR/1; JP-CANON

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source_and_distinct_proposals.

Do not flatten older domain-specific JP compiler roles or JP-CIR/architecture profiles into the general representation contract.

SOURCE REFERENCES

- specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 15

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L15>

- Recovered nonwhite collection, page 1302

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1302>

- Recovered nonwhite collection, page 1376

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1376>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Typed representation, admission and validation boundary between language compilation and runtime execution.

SOURCE REFERENCES

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 15](#)

[Recovered nonwhite collection, page 1302](#)

[Recovered nonwhite collection, page 1376](#)

Joanna Processing - Terminology and reconciliation

MJPE-COMplete-20260925-JOANNA-RUNTIME-GREY | Source-backed documentary sequence — execution not rerun

Joanna Processing / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Joanna Processing

DEFINITION

Executes independently admitted Bangel JP-IR under bounded runtime rules and produces digest-bound evidence receipts.

RELATIONSHIP

Current Bangel runtime; JO appears as predecessor runtime lineage but also has a separately documented historical proof role.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- AdmittedIR: independently verified JP
- RuntimeBudget: bounded resource declaration
- InputBinding: typed values and source roots
- Receipt: actual status and execution identity

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Joanna/1; Joanna-Receipt/1; Joanna Processing; Joanna compilation processing

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- language/python/src/bangel/runtime.py · line 28

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/runtime.py#L28>

- specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 16

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L16>

- language/python/src/bangel/identity.py · line 14

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/identity.py#L14>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Executes admitted Bangel programs and records outcomes and reconciliation evidence.

SOURCE REFERENCES

[language/python/src/bangel/runtime.py · line 28](#)

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 16](#)

[language/python/src/bangel/identity.py · line 14](#)

JO Proof and Verification - Terminology and reconciliation

MJPE-COMPLETE-20260925-JO-PROOF-GREY | Source-backed documentary sequence — execution not rerun

JO Proof and Verification / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

JO Proof and Verification

DEFINITION

Historical type, unit, proof, test and evidence-verification family, including bounded runtime results in the original papers.

RELATIONSHIP

Preserve the source JO role while linking its runtime lineage to current Joanna.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ProofScope: named historical contract
- TypedCAPO: exact representation identity
- EvidenceSet: assertion-bound artifacts
- VerificationReceipt: result and unresolved prerequisites

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

JO; JO-RUNTIME; JO_PROOF_RECEIPT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_historical_reference.

Do not state that every JO verification meaning is identical to Joanna execution.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1304

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1304>

- Recovered nonwhite collection, page 7062

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7062>

- Recovered nonwhite collection, page 1378

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1378>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1304](#)

[Recovered nonwhite collection, page 7062](#)

[Recovered nonwhite collection, page 1378](#)

MJ Governing Root - Terminology and reconciliation

MJPE-COMplete-20260925-MJ-GOVERNING-ROOT-GREY | Source-backed documentary sequence — execution not rerun

MJ Governing Root / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Governing Root

DEFINITION

Defines the source-level governing root, resource/admission boundary and final bounded decision role for the proposed MJ family context.

RELATIONSHIP

Distinct from the MJ Physics Engineering company identity and from the implemented MJ Decision plugin.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Purpose: declared governing scope
- EvidencePacket: participant receipts
- ResourceLease: bounded proposed allocation
- Decision: scoped permit, hold or deny

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJ root; MJ.23.R2.ACT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_profile_partial_integration.

The metadata alone does not establish a completed root kernel, CAPO bus or lease ledger.

SOURCE REFERENCES

- specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 17

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L17>

- Recovered nonwhite collection, page 1299

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1299>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Governs whether an independently validated action may proceed; prediction does not grant execution authority.

SOURCE REFERENCES

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 17](#)

[Recovered nonwhite collection, page 1299](#)

Bangel Robotics - Terminology and reconciliation

MJPE-COMplete-20260925-BANGEL-ROBOTICS-GREY | Source-backed documentary sequence — execution not rerun

Bangel Robotics / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Robotics

DEFINITION

Robotics-focused measurement programming with typed evidence, unit-aware source and bounded computation through Elsa, JP and Joanna.

RELATIONSHIP

Domain identity of Bangel Language; Teal Robotics is a separate bounded plugin.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Observation: value or UNKNOWN with unit
- AcquisitionTime: timestamp and clock domain
- RobotContext: declared coordinate frame
- Advisory: result, uncertainty and effect boundary

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Robotics Programming Language

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source_domain_identity.

Software calculations and receipts do not establish a physical robot or actuation backend.

SOURCE REFERENCES

- README.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/README.md#L1>

- language/python/src/bangel/identity.py · line 6

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/identity.py#L6>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Applies the measurement language to robotics examples with explicit PASS, HOLD and missing-measurement behavior.

SOURCE REFERENCES

[README.md · line 1](#)

[language/python/src/bangel/identity.py · line 6](#)

Teal Robotics - Terminology and reconciliation

MJPE-COMPLETE-20260925-TEAL-ROBOTICS-GREY | Source-backed documentary sequence — execution not rerun

Teal Robotics / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Teal Robotics

DEFINITION

Preserved simulation and shadow-control gate using native Bangel minority-risk source and near-miss templates.

RELATIONSHIP

A distinct plugin under Bangel Robotics and the MJos predictive integration.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Proposal: preserved shadow-control schema
- MinorityRisk: PMOS-MINORITY-GATE/1 input
- IndependentReview: separately bound verdict
- GateOutcome: PASS, HOLD or DENY

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Teal Robotics Verified Control Barrier Function; PMOS-MINORITY-GATE/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

The manifest explicitly says no completed independent family runtime, no continuous-time CBF proof, no live trading and no physical actuation.

SOURCE REFERENCES

- plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json · line 1

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json#L1

SOURCE REFERENCES

[plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json · line 1](#)

Bangel Native SDK - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-NATIVE-SDK-GREY | Source-backed documentary sequence — execution not rerun

Bangel Native SDK / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Native SDK

DEFINITION

C# and .NET libraries for Bangel syntax, semantics, Elsa compilation, independent JP admission, Joanna runtime, numerics and host integration.

RELATIONSHIP

Developer toolkit used alongside Engineering Studio; packages keep their own versioned contracts.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceText: filename and Bangel content
- CompilerInterface: IElsaCompiler
- CompilationResult: typed IR or diagnostic
- ManagedReceipt: source-bound Joanna result

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel.Sdk; Bangel for C# and .NET

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- [language/dotnet/README.md](#) · line 7

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/dotnet/README.md#L7>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Managed compiler/runtime integration, SDK, command-line tools and a bounded C# translation surface.

SOURCE REFERENCES

[language/dotnet/README.md](#) · line 7

Bangel API - Terminology and reconciliation

MJPE-COMplete-20260925-BANGEL-API-GREY | Source-backed documentary sequence — execution not rerun

Bangel API / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel API

DEFINITION

Versioned public integration boundary for the source-backed Bangel compiler and runtime.

RELATIONSHIP

Interface of Bangel Language, not a substitute compiler or runtime.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Protocol: BANGEL-API/1
- Request: closed operation envelope
- ProgramIdentity: source digest
- Response: typed result or diagnostic

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

BANGEL-API/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- language/python/src/bangel/identity.py · line 11

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/identity.py#L11>

SOURCE REFERENCES

[language/python/src/bangel/identity.py · line 11](#)

MJPS Thermodynamics - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-THERMOELECTRIC-GREY | Source-backed documentary sequence — execution not rerun

MJPS Thermodynamics / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJPS Thermodynamics

DEFINITION

Bangel 0.1 MJPS component for bounded thermoelectric calculations, network proposals and deterministic reference simulation.

RELATIONSHIP

Thermodynamic research identity with a recovered bounded steady thermoelectric reference component. The general Bangel 1.0 implementation remains a separate profile.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Profile: Bangel 0.1 MJPS
- Temperature: expected, anticipated or delivered
- Calibration: verified or unverified
- ProposalReceipt: PASS_PROPOSAL or HOLD

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJPS; Bangel Measurement Reference; Bangel Thermoelectric Reference; MJPS thermodynamic

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

No physical controller, board backend or actuation is established.

SOURCE REFERENCES

- components/thermoelectric-reference/README.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/components/thermoelectric-reference/README.md#L1>

- components/thermoelectric-reference/README.md · line 31

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/components/thermoelectric-reference/README.md#L31>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Package-native thermoelectric simulation combining Seebeck harvesting, Peltier heat pumping, uncertainty and bounded thermal/electrical optimization.

- Historical 0.2 package; physical effect and authority effect remained NONE, global JP acceptance MERGE_CANDIDATE, and bench/HIL/field gates remained held.

- Historical evidence has not been rerun in this discovery pass.

SEPARATE HISTORICAL CONTRACT OUTLINE

- ThermalBoundary — module and operating conditions

- ThermoelectricModel — Seebeck/Peltier parameters

- UncertaintyEnvelope — bounded temperature and model inputs

- SimulationReceipt — result, assumptions and effect ceiling

IF

A thermoelectric module is evaluated under declared thermal and electrical conditions.

HOW

Apply the documented package formulas and uncertainty bounds, keeping steady and transient coverage distinct.

THEN

Return the bounded simulation result and retain the separate hardware-validation requirements.

This historical outline is separate from the current-source contract above. It does not establish native integration or newly executed results.

SOURCE REFERENCES

<components/thermoelectric-reference/README.md> · line 1

<components/thermoelectric-reference/README.md> · line 31

MJmri MRI Imaging - Terminology and reconciliation

MJPE-COMplete-20260925-MJMRI-GREY | Source-backed documentary sequence — execution not rerun

MJmri MRI Imaging / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJmri MRI Imaging

DEFINITION

Authored Bangel research profiles for typed MRI-related representations, evidence and interoperability contracts.

RELATIONSHIP

Authored MRI imaging research profiles retain distinct representation and receipt contracts. Elsa is the compiler identity; native integration and Joanna processing remain separately evidenced obligations.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ResearchCase: source identity and evidence class
- Quantity: semantic unit and uncertainty
- Profile: authored MJMRI version
- ClinicalUse: false

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJmri; JP-IR/MJMRI-1; MJMRI; MJmri MRI imaging

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

An authored research contract or fixture is recovered. Native implementation and execution remain separate obligations.

Recovered status: authored_candidate.

Non-clinical research only; recovered authored fixtures do not establish native execution or patient use.

SOURCE REFERENCES

- specs/recovered/BANGEL-0.1-MJMRI-NATIVE-PROFILE.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/recovered/BANGEL-0.1-MJMRI-NATIVE-PROFILE.md#L1>

- docs/history/b01/BANGEL-PROFILE-AUDIT.md · line 7

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/docs/history/b01/BANGEL-PROFILE-AUDIT.md#L7>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Named domain family included in the shared MJPS and Drum Sequencer registry.
- Historical scope: Mobile MRI access, representation, DICOM/FHIR interoperability and research reconstruction lineage. Cumulative 0.3 optical/mobile package was authored/reference work; native toolchain/device execution and clinical validation remained pending.
- Native JP compiler runs were explicitly zero at B02–B10; current Elsa/profile reconciliation remains unresolved.
- Phone optical pixels, inferred surface geometry, synthetic anatomy priors and genuine MR evidence remain distinct.
- B21–B25 continuation was requested but no resulting implementation was recovered.

SOURCE REFERENCES

<specs/recovered/BANGEL-0.1-MJMRI-NATIVE-PROFILE.md> · line 1

<docs/history/b01/BANGEL-PROFILE-AUDIT.md> · line 7

MJMRI Optical Research - Terminology and reconciliation

MJPE-COMplete-20260925-MJMRI-OPTICAL-GREY | Source-backed documentary sequence — execution not rerun

MJMRI Optical Research / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJMRI Optical Research

DEFINITION

Keeps observed camera evidence, inferred surface geometry, synthetic anatomy priors and genuine MR evidence in separate classes.

RELATIONSHIP

Specialized MJMRI profile; camera evidence is not MRI.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- OpticalFrame: pixels and acquisition metadata
- EvidenceClass: optical, inferred surface, synthetic prior or MR
- Transform: disclosed source-preserving operation
- Output: non-clinical research representation

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJMRI Mobile Optical Research

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

An authored research contract or fixture is recovered. Native implementation and execution remain separate obligations. Recovered status: authored_candidate.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md#L1>

SOURCE REFERENCES

[specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 1](#)

Cubix - Terminology and reconciliation

MJPE-COMPLETE-20260925-CUBIX-GREY | Source-backed documentary sequence — execution not rerun

Cubix / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Cubix

DEFINITION

Rooted multiresolution spatial cells carry pixel bounds, source identity, grid index and node points for an external scene.

RELATIONSHIP

Governed representation inside MJMRI Optical Research, not a separately recovered application.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceRoot: image identity
- PixelBounds: validated interval
- GridIndex: multiresolution cell
- CellLineage: parent and source references

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJMRI-CUBIX-GRID/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

An authored research contract or fixture is recovered. Native implementation and execution remain separate obligations.

Recovered status: authored_contract.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 22
<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md#L22>

SOURCE REFERENCES

[specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 22](#)

MJ Memory Kernel Adapters - Terminology and reconciliation

MJPE-COMplete-20260925-MJ-MEMORY-KERNEL-GREY | Source-backed documentary sequence — execution not rerun

MJ Memory Kernel Adapters / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Memory Kernel Adapters

DEFINITION

Local episodic lifecycle, checkpoints, recovery and candidate evaluation executed through Bangel, JP admission and Joanna.

RELATIONSHIP

Component of MJ Memory Recall, with non-installing update assessment.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Namespace: bound memory context
- Generation: monotonic identifier
- Lifecycle: QUIESCE, SEAL, CHECKPOINT, DETACH, RECLAIM
- Checkpoint: canonical source-bound hash

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Self-healing kernel adapter; MJ-Memory-Update/0.1.0

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Not a bootable operating-system kernel or automatic model installer.

SOURCE REFERENCES

- [plugins/mj_memory_recall/docs/KERNEL.md](#) · line 1

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/docs/KERNEL.md#L1

- [plugins/mj_memory_recall/docs/KERNEL.md](#) · line 19

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/docs/KERNEL.md#L19

SOURCE REFERENCES

[plugins/mj_memory_recall/docs/KERNEL.md](#) · line 1

[plugins/mj_memory_recall/docs/KERNEL.md](#) · line 19

MJ Football Playbook - Terminology and reconciliation

MJPE-COMplete-20260925-MJ-FOOTBALL-PLAYBOOK-GREY | Source-backed documentary sequence — execution not rerun

MJ Football Playbook / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Football Playbook

DEFINITION

Episodic recall and physics-football playbook projection preserve source curves, command history and selection identities.

RELATIONSHIP

Domain overlay used by MJ Memory Recall; schematic coordinates are not calibrated robot dynamics.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SelectionId: original playbook identity
- SchematicFrame: declared bounds
- CurveGeometry: source points and curves
- RecallResult: candidate, similarity and uncertainty

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJ-Playbook-Projection/0.1.0

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- plugins/mj_memory_recall/README.md · line 1

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/README.md#L1

- plugins/mj_memory_recall/README.md · line 53

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/README.md#L53

RECOVERED HISTORICAL CONTEXT

- Historical scope: Maps football playbook geometry and actor paths into comparative prediction and neural node-space overlays.

SOURCE REFERENCES

[plugins/mj_memory_recall/README.md · line 1](#)

[plugins/mj_memory_recall/README.md · line 53](#)

MJ EGO REV - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJ-EGO-REV-GREY | Source-backed documentary sequence — execution not rerun

MJ EGO REV / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ EGO REV

DEFINITION

Indexed Bangel and native C# modules define an energy ledger, battery and thermal inputs, transition rules and append-only audit receipts.

RELATIONSHIP

Separate product from the associated core referenced by the later Teal library.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- EnergyEntry: source class and joules or UNKNOWN
- BatteryState: initial, capacity and grid energy
- ThermalState: initial and captured energy
- AuditRecord: prior root, payload and root

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJ-EGO-REV; Ego.Core

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

The later Teal library indexes named source modules and hashes. Discovery does not establish a fresh build, full integration or physical validation.

Recovered status: source_index_recovered.

Full associated source and fresh native execution were not recovered in this inventory pass.

SOURCE REFERENCES

- Later Teal source index, page 974
https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=974
- Later Teal source index, page 977
https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=977
- Later Teal source index, page 978
https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=978
- Later Teal source index, page 979
https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=979

RECOVERED HISTORICAL CONTEXT

- Historical scope: Vehicle-energy modeling and audit project with Bangel and C# implementation lineage.

SOURCE REFERENCES

- Later Teal source index, page 974
- Later Teal source index, page 977
- Later Teal source index, page 978
- Later Teal source index, page 979

MJos Quantum Security - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJOS-QUANTUM-SECURITY-GREY | Source-backed documentary sequence — execution not rerun

MJos Quantum Security / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Quantum Security

DEFINITION

The associated-core source index records entropy health, protection, policy, receipts and self-healing-key modules.

RELATIONSHIP

Related to the existing Quantum Systems and Hagar / Water Protection entries; older bridge and policy filenames retain private source provenance.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- NoisePacket: source and observed bytes
- EntropyHealth: declared bounded tests
- RiskSignals: authentication, traffic and integrity
- KeyEvent: provision, rotation or compromise

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

mjos_qs; Quantum Security

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

The later Teal library indexes named source modules and hashes. Discovery does not establish a fresh build, full integration or physical validation.

Recovered status: source_index_recovered.

Index evidence does not establish current cryptographic assurance, hardware certification or quantum security.

SOURCE REFERENCES

- Later Teal source index, page 998

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=998

- Later Teal source index, page 1000

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1000

- Later Teal source index, page 1003

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1003

- Later Teal source index, page 1006

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1006

- Later Teal source index, page 1007

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1007

RECOVERED HISTORICAL CONTEXT

- Historical scope: Governed security architecture linking cryptographic migration, artifact integrity, entropy governance, bounded recovery and evidence receipts.

SOURCE REFERENCES

[Later Teal source index, page 998](#)

[Later Teal source index, page 1000](#)

[Later Teal source index, page 1003](#)

[Later Teal source index, page 1006](#)

[Later Teal source index, page 1007](#)

Mika / MK Physics - Terminology and reconciliation

MJPE-COMPLETE-20260925-MIKA-PHYSICS-GREY | Source-backed documentary sequence — execution not rerun

Mika / MK Physics / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Mika / MK Physics

DEFINITION

Physics Modulator System for dimensional, conservation, boundary, scale, and evidence representation.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Quantity: value, unit and uncertainty
- ControlVolume: declared boundary
- ScaleProfile: explicit scale
- PhysicsReceipt: applicable, not-applicable or HOLD

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Mika; MK; MK-PHYSICS

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1303

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1303>

SOURCE REFERENCES

Recovered nonwhite collection, page 1303

Angels Safety - Terminology and reconciliation

MJPE-COMPLETE-20260925-ANGELS-SAFETY-GREY | Source-backed documentary sequence — execution not rerun

Angels Safety / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Angels Safety

DEFINITION

Domain-specific observation, telemetry, hold, denial, and corrective-command family.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Domain: bounded safety scope
- Telemetry: source and timestamp
- SafetyRule: explicit trigger
- Receipt: observe, hold, deny, isolate or correct

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

ANGELS; ANGELS-SAFETY

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1306

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1306>

SOURCE REFERENCES

Recovered nonwhite collection, page 1306

Bellatrix Defense - Terminology and reconciliation

MJPE-COMPLETE-20260925-BELLATRIX-GREY | Source-backed documentary sequence — execution not rerun

Bellatrix Defense / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bellatrix Defense

DEFINITION

Independent defense, challenge, quarantine, hostile-deviation analysis, and denial.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Intake: exact source and digest
- Challenge: bounded hostile-deviation check
- Posture: verified, unknown or failed
- QuarantineRecord: reason and scope

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

BELLATRIX

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1307

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1307>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Defense and admission boundary that checks whether a proposed action is safe and permitted before execution.

SOURCE REFERENCES

[Recovered nonwhite collection, page 1307](#)

[specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402](#)

Sister Prediction and Containment - Terminology and reconciliation

MJPE-COMPLETE-20260925-SISTER-GREY | Source-backed documentary sequence — execution not rerun

Sister Prediction and Containment / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Sister Prediction and Containment

DEFINITION

Predictive digital twin, preallocation evidence, anomaly detection, umbrella collection, and canonical physical containment request.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- StateStream: observations and clocks
- Forecast: source-bound advisory
- ReserveRequest: bounded capacity
- Binding: primary Sister and declared failover

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SISTER; SISTER-CONTAINMENT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1308

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1308>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1308](#)

[specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402](#)

EVE Variance and Egress - Terminology and reconciliation

MJPE-COMPLETE-20260925-EVE-GREY | Source-backed documentary sequence — execution not rerun

EVE Variance and Egress / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

EVE Variance and Egress

DEFINITION

Variance, evaporative effect, screen capture, leakage, smoke-like egress, and boundary-accounting evidence.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Boundary: declared control surface
- FlowObservation: intake, capture and egress
- Residual: measured or UNKNOWN with unit
- VarianceLedger: source-bound differences

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

EVE; EVE-SCREEN

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1309

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1309>

SOURCE REFERENCES

Recovered nonwhite collection, page 1309

Mary / M3 Routing - Terminology and reconciliation

MJPE-COMPLETE-20260925-MARY-M3-GREY | Source-backed documentary sequence — execution not rerun

Mary / M3 Routing / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Mary / M3 Routing

DEFINITION

Bounded routing, API gateway, load balancing, connection pooling, and allocation stewardship.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- AdmittedRequest: exact scope
- MJLease: bounded allocation
- CapacityEvidence: available resources
- ReturnReceipt: used and unused amounts

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

M3; Mary

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1310

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1310>

SOURCE REFERENCES

Recovered nonwhite collection, page 1310

Mermaid Reconciliation - Terminology and reconciliation

MJPE-COMPLETE-20260925-MERMAID-GREY | Source-backed documentary sequence — execution not rerun

Mermaid Reconciliation / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Mermaid Reconciliation

DEFINITION

Accounting, reconciliation, exposure, custody evidence, statements, tax lots, and financial consequence.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- CustodyReference: acquired evidence identity
- AccountEntry: typed amount and source
- ReconciliationState: explicit disposition
- Statement: source-bound period

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MERMAID; MERMAID-RECON

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1311

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1311>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Expresses financial meaning, claims, obligations, valuation and admission within the Bangel ecosystem.

SOURCE REFERENCES

[Recovered nonwhite collection, page 1311](#)

[specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402](#)

Shiva Capital Models - Terminology and reconciliation

MJPE-COMplete-20260925-SHIVA-GREY | Source-backed documentary sequence — execution not rerun

Shiva Capital Models / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Shiva Capital Models

DEFINITION

Finance, money, treasury, liquidity, capital-job classification, risk/opportunity analysis, and distribution proposal.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- CapitalPurpose: stated objective
- MermaidAccount: reconciled reference
- LiquidityRequirement: explicit bound
- CapitalProposal: non-executing distribution plan

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SHIVA

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1312

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1312>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1312](#)

Shekina Continuity - Terminology and reconciliation

MJPE-COMplete-20260925-SHEKINA-GREY | Source-backed documentary sequence — execution not rerun

Shekina Continuity / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Shekina Continuity

DEFINITION

Distributed placement, replication, continuity, and infrastructure evidence.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- PlacementRequest: artifact and scope
- Lease: bounded resources
- ReplicaSet: versioned identities
- FailoverPlan: declared source and target

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SHEKINA; SHEKINA-CONTINUITY

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1313

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1313>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Distributed and cloud continuity component in the historical ecosystem architecture.

SOURCE REFERENCES

[Recovered nonwhite collection, page 1313](#)

[specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402](#)

Belle Engineering - Terminology and reconciliation

MJPE-COMPLETE-20260925-BELLE-GREY | Source-backed documentary sequence — execution not rerun

Belle Engineering / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Belle Engineering

DEFINITION

Engineering analysis, feasibility, topology review, and bounded proposals.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- DesignCAPO: source architecture
- PhysicsReceipt: applicable constraints
- Criterion: measurable feasibility requirement
- Proposal: alternative, assumptions and risk

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

BELLE

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1314

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1314>

SOURCE REFERENCES

Recovered nonwhite collection, page 1314

Aviator Workspace - Terminology and reconciliation

MJPE-COMplete-20260925-AVIATOR-GREY | Source-backed documentary sequence — execution not rerun

Aviator Workspace / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Aviator Workspace

DEFINITION

Organizational workspace, projects, decisions, roles, knowledge, and governed workflow.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Workspace: tenant and scope
- MemberRole: explicit capability
- ProjectRecord: source-bound state
- DecisionRecord: author and evidence

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

AVIATOR; AVIATOR-WORKSPACE

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1317

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1317>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Workspace for building applications and interacting with the Bangel toolchain and governed artifacts.

SOURCE REFERENCES

[Recovered nonwhite collection, page 1317](#)

[specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402](#)

CHI Temporal Variance - Terminology and reconciliation

MJPE-COMPLETE-20260925-CHI-GREY | Source-backed documentary sequence — execution not rerun

CHI Temporal Variance / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

CHI Temporal Variance

DEFINITION

Temporal variance and expected-observed-delivered-reconciled difference state.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ExpectedState: source and time
- ObservedState: acquisition evidence
- DeliveredState: separate event
- Variance: typed difference and reconciliation

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

CHI

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Do not automatically equate historical CHI with GIN; this pass recovered related temporal roles but no verified identity migration.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1318

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1318>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1318](#)

WATER Uncertainty - Terminology and reconciliation

MJPE-COMPLETE-20260925-WATER-GREY | Source-backed documentary sequence — execution not rerun

WATER Uncertainty / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

WATER Uncertainty

DEFINITION

Interval uncertainty, verified floor, and bounded unknown-state classification.

RELATIONSHIP

Named family identity; separate from color-paper identity.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Interval: lower/upper and unit
- VerifiedFloor: source-backed bound
- EvidenceLimit: known or unknown
- ClassificationProfile: named rule

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

WATER

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

The WATER uncertainty family is not automatically identical to Hagar water-process control or the separate water protection product.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1319

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1319>

SOURCE REFERENCES

Recovered nonwhite collection, page 1319

JP Semiconductor Phone - Terminology and reconciliation

MJPE-COMPLETE-20260925-JP-SEMICONDUCTOR-PHONE-GREY | Source-backed documentary sequence — execution not rerun

JP Semiconductor Phone / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

JP Semiconductor Phone

DEFINITION

Explore semiconductor-scale static intake, power wake, solar assist, battery, and operating-system integration.

RELATIONSHIP

Product profile within JP; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ScaleProfile: semiconductor dimensions
- Intake: observed or simulated
- WakeReserve: energy and time
- BatteryState: charge and thermal evidence

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

JP-SC-PHONE; JP Semiconductor Phone Battery and OS Candidate

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_no_physical_article.

PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1380

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1380>

SOURCE REFERENCES

Recovered nonwhite collection, page 1380

JP Marine Power - Terminology and reconciliation

MJPE-COMPLETE-20260925-JP-MARINE-POWER-GREY | Source-backed documentary sequence — execution not rerun

JP Marine Power / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

JP Marine Power

DEFINITION

Explore large-scale static intake, solar initiation, power bus, containment, and marine power integration.

RELATIONSHIP

Product profile within JP; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- MarineProfile: vessel context
- IntakeStorage: typed energy model
- PowerBus: conversion path
- Containment: declared boundary

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

JP-LS-BOAT; JP Large-Scale Boating Power Candidate

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_unclassified.

PLANNED_ONLY_UNCLASSIFIED

SOURCE REFERENCES

- Recovered nonwhite collection, page 1381

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1381>

SOURCE REFERENCES

Recovered nonwhite collection, page 1381

JP Peaceful Propulsion - Terminology and reconciliation

MJPE-COMPLETE-20260925-JP-PEACEFUL-PROPULSION-GREY | Source-backed documentary sequence — execution not rerun

JP Peaceful Propulsion / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

JP Peaceful Propulsion

DEFINITION

Explore peaceful propulsion measurement and control under non-weaponization, safety, and regulatory gates.

RELATIONSHIP

Product profile within JP; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ResearchPurpose: peaceful scope
- PropulsionState: reference-only
- EnergyBoundary: typed quantities
- PhysicalStatus: active safety hold

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

JP-PEACEFUL-PROPULSION; JP Peaceful High-Energy Propulsion Research Candidate

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_safety_hold.

PLANNED_ONLY_SAFETY_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1382

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1382>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1382](#)

Shiva Dual Rails - Terminology and reconciliation

MJPE-COMplete-20260925-SHIVA-RAILS-GREY | Source-backed documentary sequence — execution not rerun

Shiva Dual Rails / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Shiva Dual Rails

DEFINITION

Separate stability/cash functions from investment and crypto risk while preserving liquidity-first ethics.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- StabilityRail: liquidity scope
- InvestmentRail: risk scope
- AccountReference: Mermaid record
- ExternalState: disabled

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SHIVA-RAILS; Shiva Dual Financial Rails

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_internal_model_external_disabled.

INTERNAL_MODEL_EXTERNAL_DISABLED

SOURCE REFERENCES

- Recovered nonwhite collection, page 1387

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1387>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1387](#)

SHIVAS Internal Reflection - Terminology and reconciliation

MJPE-COMPLETE-20260925-SHIVAS-INTERNAL-GREY | Source-backed documentary sequence — execution not rerun

SHIVAS Internal Reflection / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

SHIVAS Internal Reflection

DEFINITION

Represent internal capital reflections without minting, redemption, public offer, or value guarantee.

RELATIONSHIP

Product profile within SHIVA; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ReflectionId: immutable identity
- CapitalReference: internal source
- Transferability: false
- MonetaryValue: none asserted

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SHIVAS-INTERNAL; SHIVAS Internal Settlement Reflection

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_nontransferable_no_monetary_value.

NONTRANSFERABLE_NO_MONETARY_VALUE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1388

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1388>

SOURCE REFERENCES

Recovered nonwhite collection, page 1388

Shiva Exchange Reference - Terminology and reconciliation

MJPE-COMplete-20260925-SHIVA-EXCHANGE-GREY | Source-backed documentary sequence — execution not rerun

Shiva Exchange Reference / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Shiva Exchange Reference

DEFINITION

Model transparent price-time, custody, audit, tax, and transfer rules without operating a market.

RELATIONSHIP

Product profile within SHIVA; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SimulationOrder: bounded fixture
- PriceTimeRule: declared model
- CustodyReference: source or synthetic
- MarketState: simulation only

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SHIVA-EXCHANGE; Shiva Exchange Rule Reference

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_internal_simulation_only.

INTERNAL_SIMULATION_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1390

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1390>

SOURCE REFERENCES

Recovered nonwhite collection, page 1390

Elsa Marketplace Reference - Terminology and reconciliation

MJPE-COMPLETE-20260925-ELSA-MARKETPLACE-GREY | Source-backed documentary sequence — execution not rerun

Elsa Marketplace Reference / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Elsa Marketplace Reference

DEFINITION

Coordinate semantic listings, workflow, accounting, execution, and resource evidence without live market authority.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Listing: declared semantic purpose
- Workflow: bounded stages
- AccountingReference: scoped record
- ResourceEvidence: route and capacity

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

ELSA-MARKETPLACE; Elsa Governed Marketplace Reference
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_internal_reference_only.

INTERNAL_REFERENCE_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1394

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1394>

SOURCE REFERENCES

Recovered nonwhite collection, page 1394

Bangel Spreadsheets - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-SPREADSHEETS-GREY | Source-backed documentary sequence — execution not rerun

Bangel Spreadsheets / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Spreadsheets

DEFINITION

Provide governed spreadsheet-like operational modeling through typed measurement cells, immutable revisions, Pearl simulation partitions, deterministic recalculation, concurrency control, and audit evidence.

RELATIONSHIP

Product profile within Bangel; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Cell: typed measurement or UNKNOWN
- Revision: immutable workbook identity
- DependencyGraph: declared edges
- RecalculationReceipt: exact input/output revisions

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel-SPREADSHEETS; Bangel Spreadsheets

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_mvp_prepaskey.

REFERENCE_MVP_PREPASSKEY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1397

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1397>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1397](#)

JPOSMJ Portfolio - Terminology and reconciliation

MJPE-COMPLETE-20260925-JPOSMJ-PORTFOLIO-GREY | Source-backed documentary sequence — execution not rerun

JPOSMJ Portfolio / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

JPOSMJ Portfolio

DEFINITION

Bind every JP-origin product candidate through MK physics representation, JO verification, participant evidence, and MJ bounded permit classification.

RELATIONSHIP

Product profile within JP; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ProductOrigin: JP source identity
- PhysicsReview: MK applicability
- Verification: JO evidence
- PermitClass: bounded MJ status

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

JPOSMJ-PORTFOLIO; JPOSMJ Product Portfolio Envelope

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_prepasskey_portfolio_envelope.

PREPASKEY_PORTFOLIO_ENVELOPE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1398

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1398>

SOURCE REFERENCES

Recovered nonwhite collection, page 1398

MJ Standard Containment - Terminology and reconciliation

MJPE-COMPLETE-20260925-STANDARD-CONTAINMENT-GREY | Source-backed documentary sequence — execution not rerun

MJ Standard Containment / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Standard Containment

DEFINITION

Provide a scale-independent rectangle/cone/Sister/EVE/reservoir calculation standard and H2 reference-gas observation profile.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Geometry: normalized rectangle/cone profile
- Scale: declared with physical values held
- ReferenceGas: named model
- Boundary: Sister, EVE and reservoir

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

STANDARD-CONTAINMENT-GEOMETRY; MJ Standard Containment Geometry and Reference Gas Model
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_mvp_physical_values_hold.
REFERENCE_MVP_PHYSICAL_VALUES_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1399
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1399>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1399](#)

MJ Reservoir Collection - Terminology and reconciliation

MJPE-COMplete-20260925-RESERVOIR-COLLECTION-GREY | Source-backed documentary sequence — execution not rerun

MJ Reservoir Collection / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Reservoir Collection

DEFINITION

Model the rear reservoir loop, exterior outlet, lake-like buffer, circular inward/tangential re-entry, wave/friction references, adaptive sizing, and full Sister/EVE/Angel/M3/MK/JO/Mermaid/Shiva/MJ transaction path.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ReservoirState: bounded volume or energy
- Outlet: exterior boundary
- Reentry: declared geometry
- Balance: observed, simulated or unknown

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

RESERVOIR-COLLECTION-MODULATION; MJ Reservoir Collection, Lake Buffer, and Spiral-Compatible Re-entry
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_mvp_physical_values_hold.
REFERENCE_MVP_PHYSICAL_VALUES_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1400
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1400>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1400](#)

MJos Solar Core - Terminology and reconciliation

MJPE-COMPLETE-20260925-SOLAR-CORE-GREY | Source-backed documentary sequence — execution not rerun

MJos Solar Core / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Solar Core

DEFINITION

Provide the common JP-origin governed solar and energy-management architecture shared by the phone, marine, and peaceful rocket/spacecraft profiles.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SolarIntake: energy and source
- Storage: bounded state
- LoadProfile: phone, marine or spacecraft
- Reserve: explicit protected minimum

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJOS-SOLAR-CORE-001; MJOS Solar Shared-Core Architecture

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_physical_hold.

DESIGN_TRACE_SPECIFICATION_FROZEN_PHYSICAL_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1401

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1401>

SOURCE REFERENCES

Recovered nonwhite collection, page 1401

MJos Solar Phone - Terminology and reconciliation

MJPE-COMPLETE-20260925-SOLAR-PHONE-GREY | Source-backed documentary sequence — execution not rerun

MJos Solar Phone / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Solar Phone

DEFINITION

Provide solar-assisted phone battery and operating-system power integration with governed energy intake, battery/thermal observation, reserve allocation, workload-aware coordination, provenance, and measurable accounting.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- PhoneLoad: workload context
- SolarAssist: observed or assumed
- BatteryThermal: source-bound temperature
- WakeReserve: bounded energy

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJOS-SOLAR-SEMI-PHONE-001; MJOS Solar Semiconductor Phone Battery and OS Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_planned_only_no_physical_article.

DESIGN_TRACE_SPECIFICATION_FROZEN_PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1402

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1402>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1402](#)

MJos Solar Marine - Terminology and reconciliation

MJPE-COMPLETE-20260925-SOLAR-MARINE-GREY | Source-backed documentary sequence — execution not rerun

MJos Solar Marine / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Solar Marine

DEFINITION

Provide solar-assisted marine energy intake, storage, propulsion-load coordination, conversion/recovery, thermal management, reserve protection, operating-system control, telemetry, and evidence-backed state transitions.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- MarineLoad: propulsion and critical loads
- SolarStorage: intake and state
- ConversionRecovery: explicit path
- ReserveProtection: source-bound limits

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJOS-SOLAR-MARINE-001; MJOS Solar-Assisted Marine Power and Propulsion Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_unclassified_no_physical_article.

DESIGN_TRACE_SPECIFICATION_FROZEN_UNCLASSIFIED_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1403

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1403>

SOURCE REFERENCES

Recovered nonwhite collection, page 1403

MJos Solar Spacecraft - Terminology and reconciliation

MJPE-COMPLETE-20260925-SOLAR-SPACECRAFT-GREY | Source-backed documentary sequence — execution not rerun

MJos Solar Spacecraft / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Solar Spacecraft

DEFINITION

Provide a non-weaponized reference architecture for solar-assisted avionics/electrical reserve, propulsion-state coordination, thermal/battery management, authenticated startup/shutdown, telemetry, fault isolation, and emergency-state control.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- MissionProfile: peaceful research
- AvionicsReserve: bounded energy
- PropulsionState: coordination only
- FaultState: explicit emergency boundary

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJOS-SOLAR-ROCKET-001; MJOS Peaceful Solar-Assisted Rocket/Spacecraft Power and OS Profile
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_peaceful_research_only_safety_hold.
DESIGN_TRACE_SPECIFICATION_FROZEN_PEACEFUL_RESEARCH_ONLY_SAFETY_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1404

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1404>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1404](#)

DRO Collection - Terminology and reconciliation

MJPE-COMPLETE-20260925-DRO-COLLECTION-GREY | Source-backed documentary sequence — execution not rerun

DRO Collection / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

DRO Collection

DEFINITION

Represent typed collection, scale, unit, state, lineage, and conservation for elements or variance observations.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- DRORecord: element or variance identity
- Quantity: value, unit and uncertainty
- Scale: named profile
- Lineage: collection and conservation references

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

DRO-COLLECTION-001; DRO Discrete Retention and Element-Collection Reference System

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_candidate_simulation_and_measurement_only.

REFERENCE_CANDIDATE_SIMULATION_AND_MEASUREMENT_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1405

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1405>

SOURCE REFERENCES

Recovered nonwhite collection, page 1405

DRO–Pearl Handoff - Terminology and reconciliation

MJPE-COMPLETE-20260925-DRO-PEARL-HANDOFF-GREY | Source-backed documentary sequence — execution not rerun

DRO–Pearl Handoff / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

DRO–Pearl Handoff

DEFINITION

Allocate DRO records into Pearl computational nodes while preserving typed capacity and receipts.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- DROSource: typed record
- PearlNode: computational partition
- Capacity: typed allocation bound
- Receipt: source, target and retained lineage

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

DRO-PEARL-HANDOFF-001; DRO-to-Pearl Computational Node Handoff

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_simulation_and_information_retention_only.

SIMULATION_AND_INFORMATION_RETENTION_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1406

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1406>

SOURCE REFERENCES

Recovered nonwhite collection, page 1406

DRO Start and Reserve - Terminology and reconciliation

MJPE-COMplete-20260925-DRO-START-RESERVE-GREY | Source-backed documentary sequence — execution not rerun

DRO Start and Reserve / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

DRO Start and Reserve

DEFINITION

Represent source, start-energy, restart-reserve, conversion, and permit gates without authorizing ignition hardware.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- EnergySource: classified reference
- StartEnergy: amount or UNKNOWN
- RestartReserve: protected bound
- OperationState: non-operational hold

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

DRO-IGNITION-REFERENCE-001; DRO Start-Energy and Restart-Reserve Reference System

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_non_operational_reference_active_hold.

NON_OPERATIONAL_REFERENCE_ACTIVE_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1407

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1407>

SOURCE REFERENCES

Recovered nonwhite collection, page 1407

Lecanto Image Truth - Terminology and reconciliation

MJPE-COMplete-20260925-LECANTO-IMAGE-TRUTH-GREY | Source-backed documentary sequence — execution not rerun

Lecanto Image Truth / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Lecanto Image Truth

DEFINITION

Preserve image source identity, analyze signal variance, label transformations, and create bounded intent hypotheses.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ImageSource: digest and metadata
- SignalResidual: scoped comparison
- Transformation: disclosed derivative
- IntentHypothesis: bounded inference

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

LECANTO-IMAGE-TRUTH-001; Lecanto Image Provenance, Physics, Variance, and Intent-Hypothesis System

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_candidate.

REFERENCE_CANDIDATE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1408

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1408>

SOURCE REFERENCES

Recovered nonwhite collection, page 1408

JP Semiconductor DRO–Pearl - Terminology and reconciliation

MJPE-COMPLETE-20260925-SEMICONDUCTOR-DRO-PEARL-GREY | Source-backed documentary sequence — execution not rerun

JP Semiconductor DRO–Pearl / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

JP Semiconductor DRO–Pearl

DEFINITION

Integrate DRO energy and measurement accounting with Pearl computational nodes and semiconductor wake/reserve logic.

RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SemiconductorProfile: scale and power
- DROEnergyLedger: typed quantities
- PearlNode: computational capacity
- WakeReserve: protected limit

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

JP-SC-DRO-PEARL-INTEGRATION-001; JP Semiconductor DRO and Pearl Computational Integration

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_no_physical_article.

PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1409

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1409>

SOURCE REFERENCES

Recovered nonwhite collection, page 1409

Shiva Internal Banking Reference - Terminology and reconciliation

MJPE-COMPLETE-20260925-SHIVA-DAY1-GREY | Source-backed documentary sequence — execution not rerun

Shiva Internal Banking Reference / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Shiva Internal Banking Reference

DEFINITION

Internal banking, settlement, treasury, accounts and audit reference objective under Mermaid, M3, JO, MK and MJ boundaries.

RELATIONSHIP

Later Grey register names an internal-only objective in place of the Blue catalog position that described disabled external crypto.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- InternalAccount: reference-only
- TreasuryScenario: explicit scope
- SettlementReflection: internal model
- ExternalMarket: excluded

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SHIVA-DAY1-INTERNAL-BANKING-MVP

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_future_internal_objective.

No outside-platform cryptocurrency, public market or operational banking claim.

SOURCE REFERENCES

- Recovered nonwhite collection, page 7105

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7105>

SOURCE REFERENCES

[Recovered nonwhite collection, page 7105](#)

Shiva Crypto Legacy Candidate - Terminology and reconciliation

MJPE-COMPLETE-20260925-SHIVA-CRYPTO-LEGACY-GREY | Archive reference — disabled

Shiva Crypto Legacy Candidate / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Shiva Crypto Legacy Candidate

DEFINITION

Earlier Blue product entry records a separately governed external crypto candidate explicitly disabled and on active hold.

RELATIONSHIP

Later Grey register records an internal-only Day-1 objective; do not silently merge the two statuses.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- HistoricalEntry: BP-PROD-017
- Status: DISABLED_ACTIVE_HOLD
- LaterScope: internal-only Grey objective
- Reconciliation: dated scope difference

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SHIVA-CRYPTO

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: historical_disabled.

Disabled historical record; not a current launch, token offer or live financial service.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1389

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1389>

- Recovered nonwhite collection, page 7105

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7105>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1389](#)

[Recovered nonwhite collection, page 7105](#)

Shiva Shells - Terminology and reconciliation

MJPE-COMPLETE-20260925-SHIVA-SHELLS-GREY | Source-backed documentary sequence — execution not rerun

Shiva Shells / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Shiva Shells

DEFINITION

Governed account envelopes carrying typed financial representations, source lineage, evidence and bounded relationships.

RELATIONSHIP

Distinct from Shiva capital proposals and SHIVAS internal reflections. The envelope cannot authorize itself.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ShellId: governed account-envelope identity
- FinancialState: typed representations
- Provenance: source-bound evidence
- Authority: false; separate admission required

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SHIVA_SHELL; Shiva shells

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_historical_reference.

authority=false; separate custody, scope and admission requirements remain applicable.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1327

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1327>

- Recovered nonwhite collection, page 7098

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7098>

- Recovered nonwhite collection, page 394

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=394>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Account family used with SHIVAS and the Teal/MJ development integration.
- Historical integration reported; account and authority contracts require their own source evidence.
- Historical evidence has not been rerun in this discovery pass.

SEPARATE HISTORICAL CONTRACT OUTLINE

- ShellIdentity — account and governing profile
- AccountState — exact holdings and sequence
- TransferContext — sender, recipient and allowed operation
- ShellReceipt — state change and provenance

IF

A Shell account participates in an admitted ledger instruction.

HOW

Resolve the account identities and exact state, apply the matching asset/profile rules and retain the sequence and reconciliation evidence.

THEN

Describe the accountable before/after state and any unmet authority condition.

This historical outline is separate from the current-source contract above. It does not establish native integration or newly executed results.

SOURCE REFERENCES

[Recovered nonwhite collection, page 1327](#)

[Recovered nonwhite collection, page 7098](#)

[Recovered nonwhite collection, page 394](#)

MJos Operating System - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJOS-OPERATING-SYSTEM-GREY | Source-backed documentary sequence — execution not rerun

MJos Operating System / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Operating System

DEFINITION

Operating-system and infrastructure substrate identity for bounded resources, memory, storage, network, scheduling and continuity under the applicable MJ profile.

RELATIONSHIP

Distinct operating-system identity under MJ Physics Engineering. Existing hosted Bangel components and the MJos Predictive Model do not by themselves prove a completed bootable operating system.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- OperatingProfile: explicit proposed substrate
- ResourceLease: bounded MJ allocation
- ExecutionPlan: separately admitted work
- InfrastructureReceipt: isolation and continuity evidence

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJOS; MJos OS; MJOS-SUBSTRATE

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_specification_candidate`.

Source-described operating substrate; no complete bootable kernel, hardware platform or independently verified resource-isolation result is inferred.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1305

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1305>

- Recovered nonwhite collection, page 1379

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1379>

- Recovered nonwhite collection, page 7095

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7095>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1305](#)

[Recovered nonwhite collection, page 1379](#)

[Recovered nonwhite collection, page 7095](#)

Bangel Database 1.0 - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-DATABASE-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Database 1.0 / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Database 1.0

DEFINITION

Governed transaction and database work derived from the E012 sequence, with typed representation and runtime reconciliation.

RELATIONSHIP

Related identities: JP; Joanna Processing; GIN. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- DatabaseRequest — query, schema version, declared purpose
- TypedTransaction — values, constraints, visibility and isolation
- AuthorityEvidence — actor, scope and expiry
- TransactionReceipt — admitted outcome, uncertainty and lineage

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Database 1.0

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical E012 and AR001 builds are reported; an independent current release and full native parity remain unverified. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Moana Service Desk - Terminology and reconciliation

MJPE-COMPLETE-20260925-MOANA-SERVICE-DESK-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Moana Service Desk / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Moana Service Desk

DEFINITION

C# service workflow for customers, vessels, tickets, assignments, technician permissions, checklists, readings and service records.

RELATIONSHIP

Related identities: Moana; C# Engineering Studio. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- UserIntent — requested workflow and context
- DomainRecord — versioned project data
- PermissionScope — actor and allowed operation
- WorkflowReceipt — observed result and provenance

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Moana Service Desk

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

A local Linux demo with 21 integration tests was historically reported; Windows, macOS and hosted operation remain unverified. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Logical Layer 5 - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJ-L5-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Logical Layer 5 / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Logical Layer 5

DEFINITION

Supervises neural and predictive proposals with independent gate precedence, operating modes, deadlines and recovery policy.

RELATIONSHIP

Related identities: MJ Neural Net; MJ Memory Recall; MJos Predictive Model. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ModelProposal — candidate outcome and uncertainty
- IndependentEvidence — observations separate from the proposal
- GateDecision — PASS, HOLD or DENY with reasons
- SupervisionTrace — deadlines, retries and retained state

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJ Logical Layer 5

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Protected L5 test and ablation completion is reported; a plain-L5 extra HOLD remained separately unresolved. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MjQ - Terminology and reconciliation

MJPE-COMplete-20260925-MJQ-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MjQ / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MjQ

DEFINITION

Research family connecting structured language and JP concepts with qualified associative-memory and relational-context ideas.

RELATIONSHIP

Related identities: JP; MJ Neural Net; MJ Neural Logic. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ResearchHypothesis — stated idea and scope
- QualifiedAnalogy — source and biological or software context
- Observation — measured or synthetic evidence
- FalsificationCriterion — result that would challenge the hypothesis

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MjQ

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Research note; biological analogies and provisional lowercase r0 are not established biological mechanisms. Historical

evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Self-Healing Kernel - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJOS-SELF-HEALING-KERNEL-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Self-Healing Kernel / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Self-Healing Kernel

DEFINITION

Checkpoints state, contains runaway execution, supports recovery and evaluates proposed prediction updates with separate validation evidence.

RELATIONSHIP

Related identities: MJ Memory Recall; MJos Operating System; Teal. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Checkpoint — rooted recoverable state
- RecoveryProposal — intended bounded correction
- IndependentValidation — evidence for accepting a correction
- RecoveryReceipt — applied or retained state and reason

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJos Self-Healing Kernel

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.
Recovered status: historical_report_not_fresh_verification.
Partial interfaces and development integration are reported; normal issuance and predictive key recovery were distinct historical paths. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Predictive Node Placement - Terminology and reconciliation

MJPE-COMPLETE-20260925-PREDICTIVE-NODE-PLACEMENT-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Predictive Node Placement / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Predictive Node Placement

DEFINITION

Uses the previous verified outcome and earliest meaningful observation of the next command to prepare placement, then records actual outcome and variance.

RELATIONSHIP

Related identities: MJos Predictive Model; Teal; MJ Neural Net. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Predictive Node Placement

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Intended incremental loop and development integration; performance is workload-specific and requires verification. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Teal Ledger - Terminology and reconciliation

MJPE-COMPLETE-20260925-TEAL-LEDGER-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Teal Ledger / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Teal Ledger

DEFINITION

Development ledger and contract execution family with exact decimal amounts, signed allocations, token-linked GIN evidence and mirror recovery.

RELATIONSHIP

Related identities: SHIVAS; Shell Accounts; GIN; MJos Self-Healing Kernel. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- LedgerInstruction — asset, account and intended operation
- ExactAmount — units, scale and conservation rule
- AdmissionEvidence — identity, scope and validated conditions
- LedgerReceipt — before/after state, evidence and reconciliation

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Teal Ledger

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Local development builds and benchmarks reported; distributed deployment and full release contracts remain open.

Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

SHIVAS Ledger Profile - Terminology and reconciliation

MJPE-COMPLETE-20260925-SHIVAS-LEDGER-PROFILE-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

SHIVAS Ledger Profile / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

SHIVAS Ledger Profile

DEFINITION

Named asset in the Teal development ledger, using exact atomic balances and governed transfers.

RELATIONSHIP

Related identities: SHIVAS Internal Reflection; Shiva; Shiva Shells; Teal Ledger. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- AssetProfile — identity, denomination and transfer rules
- ExactBalance — atomic units and evidence
- TransferProposal — source, destination and scope
- AssetReceipt — conserved state and lineage

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

SHIVAS Ledger Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

This later ledger profile must not overwrite the nontransferable SHIVAS Internal Reflection source profile. Development ledger identity; no independent production asset or value claim is established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Digital Twin - Terminology and reconciliation

MJPE-COMPLETE-20260925-DIGITAL-TWIN-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Digital Twin / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Digital Twin

DEFINITION

Records observations and compares predicted and received command behavior within development workflows.

RELATIONSHIP

Related identities: MJos Predictive Model; Teal Ledger. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ObservedState — actual received data
- PredictedState — candidate continuation or placement
- Comparison — difference with confidence and uncertainty
- TwinReceipt — observation, prediction and evidence boundary

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJ Digital Twin

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

First received-byte observation was historically reported; prediction is not a verified substitute for actual authenticated input.

Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Quantum Water Protection - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJ-QUANTUM-WATER-PROTECTION-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Quantum Water Protection / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Quantum Water Protection

DEFINITION

Water-protection project associated with Hagar, combining software references and preliminary engineering designs.

RELATIONSHIP

Related identities: Hagar; Bangel Language. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- WaterSystemBoundary — components and intended purpose
- Measurement — units, sensor or simulation origin
- ProtectionProposal — proposed bounded action
- ValidationRecord — software, bench or field evidence

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJ Quantum Water Protection

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical source and package lineage; the name does not establish experimentally validated quantum protection. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Cloud - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-CLOUD-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Cloud / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Cloud

DEFINITION

Project and document workspace with build environments, importing, search, backups and planned hosted access.

RELATIONSHIP

Related identities: Bangel Workspace; Shekina; Bangel Physics Lab; Bangel Statistics Lab. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ProjectManifest — source, documents and versions
- WorkspaceAction — edit, import, build or restore
- AccessContext — actor and declared scope
- WorkspaceReceipt — artifact, checkpoint and status

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Cloud

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Local checkpoints and cloud preparation are reported; earlier AWS deployment was explicitly pending. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Workspace - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-WORKSPACE-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Workspace / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Workspace

DEFINITION

Local project workspace retaining source imports, experiments, learning material and recoverable checkpoints.

RELATIONSHIP

Related identities: Bangel Cloud; Physics Lab; Statistics Lab. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ProjectManifest — files and version lineage
- ImportRecord — original and derived artifact
- ExperimentRecord — inputs, outputs and context
- RecoveryCheckpoint — verified save and restore record

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Workspace

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical local checkpoint packages; complete current source and durable-save status require recovery. Historical evidence

has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Physics Lab - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-PHYSICS-LAB-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Physics Lab / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Physics Lab

DEFINITION

Interactive foundational physics formulas, adjustable inputs, plots and downloadable language examples.

RELATIONSHIP

Related identities: Bangel Workspace; Bangel Language. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Lesson — concept and versioned source
- ExperimentInput — value, unit and assumption
- ExampleResult — computed or illustrative output
- LearningEvidence — execution environment and limits

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Physics Lab

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical 100-method local lab; native execution coverage differed by language and checkpoint. Historical evidence has not

been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Statistics Lab - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-STATISTICS-LAB-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Statistics Lab / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Statistics Lab

DEFINITION

Statistics experiments with descriptive measures, plots, probability/bootstrap lessons, saved data and exports.

RELATIONSHIP

Related identities: Bangel Workspace; Bangel Language. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Lesson — concept and versioned source
- ExperimentInput — value, unit and assumption
- ExampleResult — computed or illustrative output
- LearningEvidence — execution environment and limits

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Statistics Lab

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical local learning workbench; it was not yet a 100-method catalog. Historical evidence has not been rerun in this

discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Encrypted Message API - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJ-ENCRYPTED-MESSAGE-API-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Encrypted Message API / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Encrypted Message API

DEFINITION

C# API and demonstration client for authenticated encrypted messages with explicit tamper-detection and replay limitations.

RELATIONSHIP

Related identities: C# Engineering Studio. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ProtocolRequest — endpoint, version and payload
- AuthenticationEvidence — key-bound integrity result
- ProtocolDecision — accepted or rejected with reason
- ResponseReceipt — result and documented limitations

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJ Encrypted Message API

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical cross-platform tests and public repository reported; identity, truth and freshness are not established by message acceptance. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Interoperability - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-INTEROP-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Interoperability / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Interoperability

DEFINITION

Language-neutral API and bindings across supported Python, JavaScript/TypeScript, C++, Rust and R integration tracks.

RELATIONSHIP

Related identities: Bangel Language; JP; Joanna Processing. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- BindingContract — language and protocol version
- TypedRequest — representation and effects
- InteropResult — output or named failure
- ParityEvidence — platform and matching contract

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Interoperability

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Some released integration families are reported; each binding needs its own supported-contract and parity record. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Teaching Pathway - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-TEACHING-PATHWAY-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Teaching Pathway / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Teaching Pathway

DEFINITION

Progressive explanations and paired C#/Bangel lessons covering language fundamentals, variance, GIN and node logic.

RELATIONSHIP

Related identities: Bangel Language; C# Engineering Studio. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- LearningObjective — supported concept
- WorkedExample — source and grammar profile
- Comparison — C# and Bangel behavior
- PracticeEvidence — expected result and explanation

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Teaching Pathway

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Recovered document and repository pathway; teaching examples must match the implemented grammar. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Java Work Order API - Terminology and reconciliation

MJPE-COMPLETE-20260925-JAVA-WORK-ORDER-API-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Java Work Order API / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Java Work Order API

DEFINITION

Assisted Java/Spring REST starter for work orders, validation, persistence, status transitions and structured errors.

RELATIONSHIP

Related identities: Engineering Studio; Java Learning Pathway. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Lesson — concept and versioned source
- ExperimentInput — value, unit and assumption
- ExampleResult — computed or illustrative output
- LearningEvidence — execution environment and limits

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Java Work Order API

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical clean build and nine tests reported; learner mastery and production suitability are separate. Historical evidence has

not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Artifact Integrity Service - Terminology and reconciliation

MJPE-COMPLETE-20260925-ARTIFACT-INTEGRITY-SERVICE-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Artifact Integrity Service / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Artifact Integrity Service

DEFINITION

Proposed Java service for deterministic file manifests and detection of added, missing, modified, duplicate or unsafe files.

RELATIONSHIP

Related identities: Java Work Order API; Bangel Interoperability. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ProposedCapability — purpose and scope
- ArtifactManifest — paths, sizes and hashes
- DifferenceReport — added, missing or changed entries
- ImplementationEvidence — source and test status

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Artifact Integrity Service

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Architecture and learning proposal; a completed implementation was not established in the reviewed turns. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Manifest - Terminology and reconciliation

MJPE-COMPLETE-20260925-MANIFEST-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Manifest / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Manifest

DEFINITION

Separate Tide Casa vertical for models and influencers, with profiles, booking concepts and creator presentation.

RELATIONSHIP

Related identities: Tide Casa. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- CreatorProfile — declared public presentation
- BookingIntent — proposed service and availability
- PrototypeEvent — simulated interaction
- IntegrationStatus — connected or pending service

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Manifest

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Private UI prototype with simulated bookings and alerts; earlier user direction explicitly kept it separate from approved BarTide/Tide Casa builds. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Tide Casa - Terminology and reconciliation

MJPE-COMPLETE-20260925-TIDE-CASA-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Tide Casa / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Tide Casa

DEFINITION

Customer-facing application business and service platform, with BarTide as its restaurant vertical.

RELATIONSHIP

Related identities: BarTide; Engineering Studio; MJ Physics Engineering. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ClientBrief — business need and scope
- ProductConfiguration — selected workflow and presentation
- DeliveryRecord — build, preview and release state
- OperatingEvidence — observed capability and limits

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Tide Casa

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historically deployed C# product; public branding should remain distinct from internal engineering roles. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Variance Capture - Terminology and reconciliation

MJPE-COMPLETE-20260925-VARIANCE-CAPTURE-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Capture / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Variance Capture

DEFINITION

Records the difference between predictions and observed outcomes without erasing uncertainty or granting new authority.

RELATIONSHIP

Related identities: GIN; Predictive Node Placement; MJos Predictive Model. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Variance Capture

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Recovered named mechanism; numeric and governance semantics are profile-specific. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Variance Pool - Terminology and reconciliation

MJPE-COMPLETE-20260925-VARIANCE-POOL-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Pool / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Variance Pool

DEFINITION

Named allocation and evidence concept in the historical language and teaching material.

RELATIONSHIP

Related identities: GIN; Teal; MJ Permission. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Variance Pool

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Recovered concept; a current executable allocation contract must be identified before claiming runtime behavior. Historical

evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Rain - Terminology and reconciliation

MJPE-COMPLETE-20260925-RAIN-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Rain / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Rain

DEFINITION

Named concept in the variance and predictive-node documentation family.

RELATIONSHIP

Related identities: GIN; Umbrella; Pearls. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Rain

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: documented_mechanism_source_pending.

Reference recovered; exact semantics should be tied to the governing source profile. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Umbrella - Terminology and reconciliation

MJPE-COMPLETE-20260925-UMBRELLA-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Umbrella / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Umbrella

DEFINITION

Named concept associated with variance, GIN and node logic.

RELATIONSHIP

Related identities: GIN; Rain; Smoke. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Umbrella

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: documented_mechanism_source_pending.

Reference recovered; current implementation is not established by name alone. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Smoke - Terminology and reconciliation

MJPE-COMPLETE-20260925-SMOKE-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Smoke / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Smoke

DEFINITION

Named concept in the variance, GIN and node-logic teaching sequence.

RELATIONSHIP

Related identities: GIN; Umbrella. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Smoke

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: documented_mechanism_source_pending.

Reference recovered; precise rules and runtime support require source reconciliation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

BlueWater - Terminology and reconciliation

MJPE-COMPLETE-20260925-BLUEWATER-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

BlueWater

DEFINITION

Localized websites and apps for small businesses, beginning with Clearwater and designed for regional editions.

RELATIONSHIP

Related identities: Lola; Tide Casa. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- MarketProfile — location and customer need
- ServiceBrief — scope and deliverables
- PilotEvidence — observed customer workflow
- DeliveryRecord — approved state and support boundary

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

BlueWater

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical private pilot and website records; the relationship to later Tide Casa branding requires explicit provenance rather than assuming an automatic rename. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Lola - Terminology and reconciliation

MJPE-COMPLETE-20260925-LOLA-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Lola / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Lola

DEFINITION

Customer-facing planning and concierge guide for the BlueWater service workflow, with package guidance and human handoff.

RELATIONSHIP

Related identities: BlueWater. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- CustomerIntent — stated need and context
- ServiceKnowledge — approved scope and wording
- Recommendation — bounded option and explanation
- HandoffRecord — unresolved question and human owner

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Lola

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical guided prototype; voice, live service integrations and current hosting should be verified separately. Historical

evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Leverage Analyst - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-LEVERAGE-ANALYST-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Leverage Analyst / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Leverage Analyst

DEFINITION

Football analysis workspace for playbook geometry, film review, snap/formation/front/coverage/technique registration and evidence-qualified physics.

RELATIONSHIP

Related identities: Physics Football; Lecanto; GIN. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- PlaybookEntry — model geometry and assignments
- FilmObservation — frame, timestamp and confidence
- ContextRecord — external play-by-play or coaching input
- AnalysisReceipt — measured versus modeled conclusion

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Physics-Based Play Analysis

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical owner-only alpha; playbook models and fallback play-by-play context are not independently verified film observations. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Leverage Physics Lab - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-LEVERAGE-PHYSICS-LAB-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Leverage Physics Lab / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Leverage Physics Lab

DEFINITION

Educational video and physics lab with field calibration, tracking, timing and exportable receipts.

RELATIONSHIP

Related identities: Bangel Leverage Analyst; Lecanto; GIN. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- VideoReference — local or embedded source
- FieldCalibration — landmarks and coordinate transform
- TrackedPoint — time, position and confidence
- EducationalReceipt — calculation and limitations

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Physics-Based Play Analysis

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical separate alpha; YouTube review used manual timestamps and coordinates, with no automatic access to embedded video frames. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Cybernetic Framework - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-CYBERNETIC-FRAMEWORK-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Cybernetic Framework / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Cybernetic Framework

DEFINITION

Connects targets, measurements, differences, authorized corrections, consequences and reconciliation through JP.

RELATIONSHIP

Related identities: JP; GIN; Joanna Processing; MJ Permission. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- TargetState — desired bounded outcome
- Measurement — actual state and uncertainty
- AuthorizedCorrection — permitted response
- Reconciliation — observed consequence and retained difference

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Cybernetic Framework

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Recovered architecture; individual executable pathways need source-level reconciliation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Software Supply Trust - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJOS-SOFTWARE-SUPPLY-TRUST-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Software Supply Trust / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Software Supply Trust

DEFINITION

Proposed software-assurance product connecting cryptographic dependencies, deterministic release evidence, authorization and recovery after signing-key compromise.

RELATIONSHIP

Related identities: MJos Quantum; Bangel Language; JP; Joanna Processing. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ReleaseArtifact — source and build lineage
- CryptographicInventory — observed dependency evidence
- ReleaseAuthorization — permitted signing or distribution scope
- RecoveryEvidence — rehearsed response and retained history

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJos Software Supply Trust

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Product proposal and pilot definition; current implemented product source must be recovered before making operational claims. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Marine Trust - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJOS-MARINE-TRUST-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Marine Trust / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Marine Trust

DEFINITION

Proposed trust layer for marine digital supply chains, connecting supplier firmware, vessel integration, service and fleet evidence.

RELATIONSHIP

Related identities: MJos Quantum; Trust Gateway; MJ Marine. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SupplierArtifact — firmware or software provenance
- VesselIntegration — system and version
- ServiceEvent — observed maintenance action
- TrustDecision — evidence-based permitted operation

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJos Marine Trust

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Product concept with historical logo proposals; production deployment and physical assurance are not established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

QSHM - Terminology and reconciliation

MJPE-COMPLETE-20260925-QSHM-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

QSHM / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

QSHM

DEFINITION

Custom hardware concept in the MJos Quantum security family, intended to follow validated software interfaces and customer use cases.

RELATIONSHIP

Related identities: MJos Quantum; Trust Gateway. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- HardwareConcept — intended role and interface
- EvidenceRequirement — bench, device or integration proof
- InterfaceContract — bounded inputs and outputs
- ResearchStatus — proposed, modeled or measured

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

QSHM

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Longer-term hardware proposal; no validated custom device or hardware security claim is established. Historical evidence

has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Trust Gateway - Terminology and reconciliation

MJPE-COMPLETE-20260925-TRUST-GATEWAY-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Trust Gateway / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Trust Gateway

DEFINITION

Marine-facing hardware gateway concept for governed supplier, vessel and fleet evidence.

RELATIONSHIP

Related identities: MJos Marine Trust; QSHM. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- HardwareConcept — intended role and interface
- EvidenceRequirement — bench, device or integration proof
- InterfaceContract — bounded inputs and outputs
- ResearchStatus — proposed, modeled or measured

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Trust Gateway

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Historical future hardware concept; no completed hardware deployment is established. Historical evidence has not been

rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Marine - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJ-MARINE-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Marine / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Marine

DEFINITION

Engineering decision-twin service and reference-model family for propulsion, thermal, energy and repower comparisons.

RELATIONSHIP

Related identities: MJ Physics Engineering; Marine Design-Decision Twin. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- VesselProfile — operating boundary and duty cycle
- EngineeringAlternative — component or configuration option
- ModelEvidence — assumptions, inputs and validation
- DecisionReport — comparison and remaining uncertainty

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJ Marine

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical private website and reference-model package; recommendations remain dependent on actual vessel data and validation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Marine Design-Decision Twin - Terminology and reconciliation

MJPE-COMPLETE-20260925-MARINE-DESIGN-DECISION-TWIN-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Marine Design-Decision Twin / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Marine Design-Decision Twin

DEFINITION

Compares a bounded set of vessel or propulsion design alternatives with explicit assumptions, uncertainty, data gaps and supporting evidence.

RELATIONSHIP

Related identities: MJ Marine; MJ Physics Digital Twins. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- DecisionBoundary — vessel, question and alternatives
- OperatingProfile — load and duty cycle
- TwinResult — propulsion, thermal or energy estimate
- ValidationPlan — measurements needed to test the result

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Marine Design-Decision Twin

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.
Recovered status: historical_report_not_fresh_verification.
Reference model and consulting offer; physical performance requires independent measurements and project-specific validation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Physics Digital Twins - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJ-PHYSICS-DIGITAL-TWINS-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Physics Digital Twins / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJ Physics Digital Twins

DEFINITION

Circuit-board-style modeling practice connecting a physical system, pre-observation model, measurement, GIN variance and bounded decisions.

RELATIONSHIP

Related identities: MJ Physics Engineering; GIN; Bangel Effect; MJ Marine. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- PhysicalSystem — declared boundary
- ModelState — equations and assumptions
- Observation — measured input and provenance
- DecisionEvidence — comparison and supported conclusion

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJ Physics Digital Twins

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.
Recovered status: historical_proposal.
Historical consulting site and proposal family; known physics, modeled propositions and untested research remain distinct. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Effect - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-EFFECT-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Effect / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Effect

DEFINITION

Named research concept presented alongside R0, GIN and IF/HOW/THEN within digital-twin architecture.

RELATIONSHIP

Related identities: MJ Physics Digital Twins; GIN. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ResearchDefinition — named effect and scope
- PhysicalModel — established laws and assumptions
- PredictedDifference — testable model outcome
- ExperimentalEvidence — observation or unresolved measurement

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Effect

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Research identity; a name and visual explanation do not establish a newly observed physical law. Historical evidence has not

been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Media Compressor - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-MEDIA-COMPRESSOR-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Media Compressor / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Media Compressor

DEFINITION

JP-rooted media/compression development with exact arithmetic, resource receipts, codec staging and independently gated trial/rollback decisions.

RELATIONSHIP

Related identities: JP; Joanna Processing; GIN. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- MediaSource — original bytes and provenance
- CodecProfile — implementation and supported subset
- CandidateTrial — proposed reversible path and resource evidence
- DecodeEvidence — independent restoration, quality and performance

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Media Compressor

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Partial internal JP/AV1 sequence; native AV1 completion, independent decoding and compression superiority were explicitly not established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel C++ Service Adapter - Terminology and reconciliation

MJPE-COMPLETE-20260925-CPP-SERVICE-ADAPTER-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel C++ Service Adapter / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel C++ Service Adapter

DEFINITION

C++17 adapter for calling the Bangel language service through the supported protocol.

RELATIONSHIP

Related identities: Bangel Interoperability; JP; Joanna Processing. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel C++ Service Adapter

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical released integration; current compatibility needs its own package and contract evidence. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

JP C++ Decimal Library - Terminology and reconciliation

MJPE-COMPLETE-20260925-CPP-DECIMAL-LIBRARY-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

JP C++ Decimal Library / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

JP C++ Decimal Library

DEFINITION

Native decimal operations with a C interface and C++ wrapper.

RELATIONSHIP

Related identities: Bangel Interoperability; R jpdecimal. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- DecimalValue — exact representation and scale
- NumericOperation — supported operation and rounding rule
- MemoryContract — owner and lifetime
- NumericEvidence — expected result and test profile

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

JP C++ Decimal Library

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical integration source; numeric behavior and memory ownership must stay tied to its specific contract. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Rust Service Adapter - Terminology and reconciliation

MJPE-COMPLETE-20260925-RUST-SERVICE-ADAPTER-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Rust Service Adapter / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Rust Service Adapter

DEFINITION

Rust adapter with protocol handling, examples and tests for the language service.

RELATIONSHIP

Related identities: Bangel Interoperability; JP; Joanna Processing. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Rust Service Adapter

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical integration source; separate from a native Rust implementation of the entire language. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

R jpsservice - Terminology and reconciliation

MJPE-COMPLETE-20260925-R-JPSERVICE-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpsservice / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

R jpsservice

DEFINITION

R package for calling the Bangel language service.

RELATIONSHIP

Related identities: Bangel Interoperability; JP; Joanna Processing. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

R jpsservice

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical released integration; not interchangeable with the separately named encrypted-message API. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

R jpdecimal - Terminology and reconciliation

MJPE-COMPLETE-20260925-R-JPDECIMAL-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpdecimal / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

R jpdecimal

DEFINITION

R package exposing the native decimal library.

RELATIONSHIP

Related identities: JP C++ Decimal Library; Bangel Interoperability. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- DecimalValue — exact representation and scale
- NumericOperation — supported operation and rounding rule
- MemoryContract — owner and lifetime
- NumericEvidence — expected result and test profile

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

R jpdecimal

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical released integration; precise numeric semantics depend on the native-library contract. Historical evidence has not

been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Studios - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-STUDIOS-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Studios / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Studios

DEFINITION

Music-production workspace combining drum, bass, strings and vocal lanes, instrument controls, project handling and evidence-aware processing.

RELATIONSHIP

Related identities: Bangel Drums; Bangel Infinity; Bangel Media Compressor; Elsa Compiler; JP. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- BeatDocument — grid, tempo, lanes and events
- AudioProfile — instrument and processing settings
- ProjectState — user controls and saved version
- PlaybackEvidence — timing and export observations

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Studios

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical browser studio versions were reported; native plug-in packaging, commerce and production hosting are separate delivery lanes. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Drums - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-DRUMS-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Drums / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Drums

DEFINITION

Drum-sequencer branch of Bangel Studios with grid-based steps, drum voices, bass and synchronized musical lanes.

RELATIONSHIP

Related identities: Bangel Studios; JP; Joanna Processing. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- BeatDocument — grid, tempo, lanes and events
- AudioProfile — instrument and processing settings
- ProjectState — user controls and saved version
- PlaybackEvidence — timing and export observations

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Physics Drum Sequencer; Drum Sequencer

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical browser versions and downloadable build kits; native audio-host validation remains a separate requirement.

Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

RECOVERED HISTORICAL CONTEXT

- Historical scope: Music/sequencing product family with JP-domain and deterministic runtime lineage.

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Infinity - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-INFINITY-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Infinity / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Infinity

DEFINITION

Named processing profile within the historical Bangel Studios music workflow.

RELATIONSHIP

Related identities: Bangel Studios. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- AudioInput — source and provenance
- ProcessingProfile — named controls and limits
- RenderedOutput — format and timing
- ComparisonEvidence — observed change and fidelity

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Infinity

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Profile named in the studio release record; a separately installed product or independently validated processing advantage is

not established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Compiler Lab - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-COMPILER-LAB-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Compiler Lab / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Compiler Lab

DEFINITION

Compiler and media-codec development lab with Elsa, rooted JP-IR, staged backend plans and explicit evidence gates.

RELATIONSHIP

Related identities: Elsa Compiler; JP; Joanna Processing; Bangel Media Compressor. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- SourceProfile — admitted syntax and version
- TypedRepresentation — JP-IR identity and constraints
- DevelopmentStage — implemented, partial or held
- ConformanceEvidence — exact fixture and expected result

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Compiler Lab

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical private development build; unfinished codec, self-hosting and external verification work must stay visible. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Debt Analytics - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-DEBT-ANALYTICS-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Debt Analytics / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Debt Analytics

DEFINITION

Early debt-evaluation and negotiation analytics framework using layered modeling and calibrated constructs for complexity, difficulty, risk, opportunity and priority.

RELATIONSHIP

Related identities: Construct Framework; MJos Predictive Model. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ConstructDefinition — concept and version
- ComponentMeasure — data, units and direction
- ScoringPolicy — normalization, weights and aggregation
- ValidationEvidence — calibration and uncertainty

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Debt Analytics

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical architecture and specifications; this distinct analytics lineage must not be presented as the current executable language. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Construct Framework - Terminology and reconciliation

MJPE-COMPLETE-20260925-CONSTRUCT-FRAMEWORK-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Construct Framework / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Construct Framework

DEFINITION

Reusable construct-estimation interface whose internal pipeline normalizes, orients, weights, aggregates and classifies inputs under declared rules.

RELATIONSHIP

Related identities: Bangel Debt Analytics; MJos Predictive Model. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ConstructDefinition — concept and version
- ComponentMeasure — data, units and direction
- ScoringPolicy — normalization, weights and aggregation
- ValidationEvidence — calibration and uncertainty

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Construct Framework

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Proposed architecture; a shared interface does not by itself prove calibration or validated predictions. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

BlueWater Studio - Terminology and reconciliation

MJPE-COMplete-20260925-BLUEWATER-STUDIO-GRY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater Studio / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

BlueWater Studio

DEFINITION

White-label website and application delivery lane within the historical BlueWater service platform.

RELATIONSHIP

Related identities: BlueWater; Lola; Engineering Studio. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ClientBrief — business need and scope
- ProductConfiguration — selected workflow and presentation
- DeliveryRecord — build, preview and release state
- OperatingEvidence — observed capability and limits

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

BlueWater Studio

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Planning and prototype history; do not conflate with the current C#/Bangel Engineering Studio or approved Tide Casa

deployment. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Document Library - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-DOCUMENT-LIBRARY-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Document Library / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Document Library

DEFINITION

Earlier searchable archive with namesake collections, color organization and page-level indexing; source lineage for the current Teal library.

RELATIONSHIP

Related identities: Teal Library; MJ Physics Engineering. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- DocumentIdentity — project, color and source version
- PageReference — original page and derived edition
- SearchEntry — indexed text and provenance
- CoverageRecord — included, excluded or unavailable source

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel Document Library

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical private archive reported 340 documents and 28,902 searchable pages; full bytes and access are separate from this chat-index recovery. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Visual Effects - Terminology and reconciliation

MJPE-COMPLETE-20260925-BANGEL-VISUAL-EFFECTS-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Visual Effects / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Bangel Visual Effects

DEFINITION

User-named visual-effects project within the Bangel family. Recover its exact source and feature boundaries while relating it to the separate Lecanto rendering and Bangel Effect research records.

RELATIONSHIP

Related identities: Lecanto; Bangel Effect; Bangel Language. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- ProjectIdentity — user-confirmed name
- SourceReference — pending original specification
- ProposedScope — unconfirmed product boundary
- RecoveryGap — evidence still required

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Bangel visual effects

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: source_recovery_pending.

Historical project name confirmed by the user; exact source scope remains pending. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Silent Guardian - Terminology and reconciliation

MJPE-COMPLETE-20260925-SILENT-GUARDIAN-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Silent Guardian / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Silent Guardian

DEFINITION

Observes transaction behavior and refines deterministic estimates while preserving the distinction between authenticated and simulated telemetry, bounded corrections and hardened evidence receipts.

RELATIONSHIP

Related identities: Elsa Compiler; JP Representation; Joanna Processing; GIN Measurement; MJos Quantum Security; Perth. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- TelemetryRecord — authenticated or simulated origin, measurement and provenance
- RefinementState — deterministic estimate and covariance
- BoundedCorrection — proposed change and declared authority
- ObserverReceipt — baseline, evidence and preserved outcome

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Silent Guardian

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_reference_baseline_partial_integration.

Historical baseline package and tests were reported; their archives and tests were not freshly recovered or rerun in this pass. Universal Elsa/JP/Joanna instrumentation and full active-runtime unification remained incomplete in the later review. Kalman refinement was deterministic estimation; fractal stability was a hypothesis and superdense coding was an ideal simulation, without physical-entanglement or performance-advantage evidence.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Aviator Cloud - Terminology and reconciliation

MJPE-COMPLETE-20260925-AVIATOR-CLOUD-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Aviator Cloud / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Aviator Cloud

DEFINITION

User-named cloud-facing Aviator product lane. Its documentation connects the Aviator application workspace with the broader Bangel Cloud and Shekina continuity architecture, keeping each role identifiable.

RELATIONSHIP

Related identities: Aviator Workspace; Bangel Cloud; Shekina Continuity. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- WorkspaceIdentity — Aviator product lane
- ServiceBoundary — local or hosted responsibility
- ContinuityReference — related Shekina role
- DeploymentEvidence — actual connected environment

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Aviator Cloud

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: source_recovery_pending.

Aviator and cloud roles are historically documented; the exact combined product source and deployment remain pending. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Neurological Model - Terminology and reconciliation

MJPE-COMPLETE-20260925-MJOS-NEUROLOGICAL-MODEL-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Neurological Model / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Neurological Model

DEFINITION

User-named model family connecting neural association, relational context, episodic recall, predictive comparison and supervised decisions in the MJos ecosystem.

RELATIONSHIP

Related identities: MJ Neural Net; MJ Memory Recall; MJ Logical Layer 5; Neural Logic Mapping; MJos Predictive Model. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- Observation — retained input and context
- MemoryCandidate — recalled relation with uncertainty
- PredictiveProposal — candidate outcome
- SupervisionDecision — independent gate and trace

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJos Neurological Model

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: source_recovery_pending.

Related Neural Net, Memory Recall and L5 histories are recovered; the exact older umbrella specification remains pending. This is software research, not clinical or biological validation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Mermaid Quantum Blockchain - Terminology and reconciliation

MJPE-COMPLETE-20260925-MERMAID-QUANTUM-BLOCKCHAIN-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Mermaid Quantum Blockchain / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Mermaid Quantum Blockchain

DEFINITION

User-named blockchain project grouping connecting Mermaid financial meaning and reconciliation with the distinct Teal ledger development lineage.

RELATIONSHIP

Related identities: Mermaid Reconciliation; Teal Ledger; Shiva; Shiva Shells; GIN. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- LedgerInstruction — asset, account and intended operation
- ExactAmount — units, scale and conservation rule
- AdmissionEvidence — identity, scope and validated conditions
- LedgerReceipt — before/after state, evidence and reconciliation

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Mermaid quantum blockchain

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `related_sources_integration_pending`.

Component histories are recovered separately; a completed integrated quantum blockchain, quantum-security advantage or production network has not been established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Perth - Terminology and reconciliation

MJPE-COMPLETE-20260925-PERTH-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Perth / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

Perth

DEFINITION

Governed full-stack consolidation framework organizing the language, compiler, representation, runtime, observer and domain modules into explicit active, historical, experimental and external-evidence boundaries.

RELATIONSHIP

Related identities: MJos Operating System; Bangel Language; Elsa Compiler; JP Representation; Joanna Processing; Silent Guardian. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- TargetState — desired bounded outcome
- Measurement — actual state and uncertainty
- AuthorizedCorrection — permitted response
- Reconciliation — observed consequence and retained difference

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

Perth

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `documented_successor_framework_proposal`.

Recovered historical specification or architecture; no fresh product execution is claimed.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Quantum: Living Water - Terminology and reconciliation

MJPE-COMPLETE-20260925-LIVING-WATER-GREY | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Quantum: Living Water / Grey

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

CANONICAL PROJECT NAME

MJos Quantum: Living Water

DEFINITION

Water-facility retrofit and community design platform connecting operating evidence, bounded recovery and QSHM receipts with process models, budgeting, engineering education and a scale-aware design workspace.

RELATIONSHIP

Related identities: Hagar; MJ Quantum Water Protection; Perth. Preserve each named contract and source status.

CURRENT FAMILY TERMINOLOGY

MJ Physics Engineering: company identity.

Bangel Language: language identity.

Elsa: the compiler.

JP: the explicitly versioned representation; protocol and profile remain distinct.

Joanna: runtime, processing and execution evidence.

MJos Operating System: operating-system identity; the name does not establish a bootable implementation.

MJos Predictive Model: separately identified predictive model; forecasts remain distinct from observations and authority.

MJ: governing context and bounded permission where an applicable profile supplies it.

PROJECT TYPES

- FacilityContext — existing process, scale and purpose
- OperatingEvidence — units, calibration, uncertainty and provenance
- ScenarioBudget — assumptions and projections separated from verified savings
- WaterSystemReceipt — accepted or held outcome, authority and lineage

EQUIVALENCE RULE

Related names aid discovery. They do not merge capability, mathematical meaning, evidence state or permission boundaries.

DISCOVERY NAMES

MJos Living Water; Living Water

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_website_and_reference_design_not_physical_validation.

Historical website and reference-design evidence; no physical water-quality, hardware-performance or cyber-survival validation. The 57% savings target was explicitly \$0 verified savings. A later user correction focuses the platform on retrofitting existing facilities.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.