

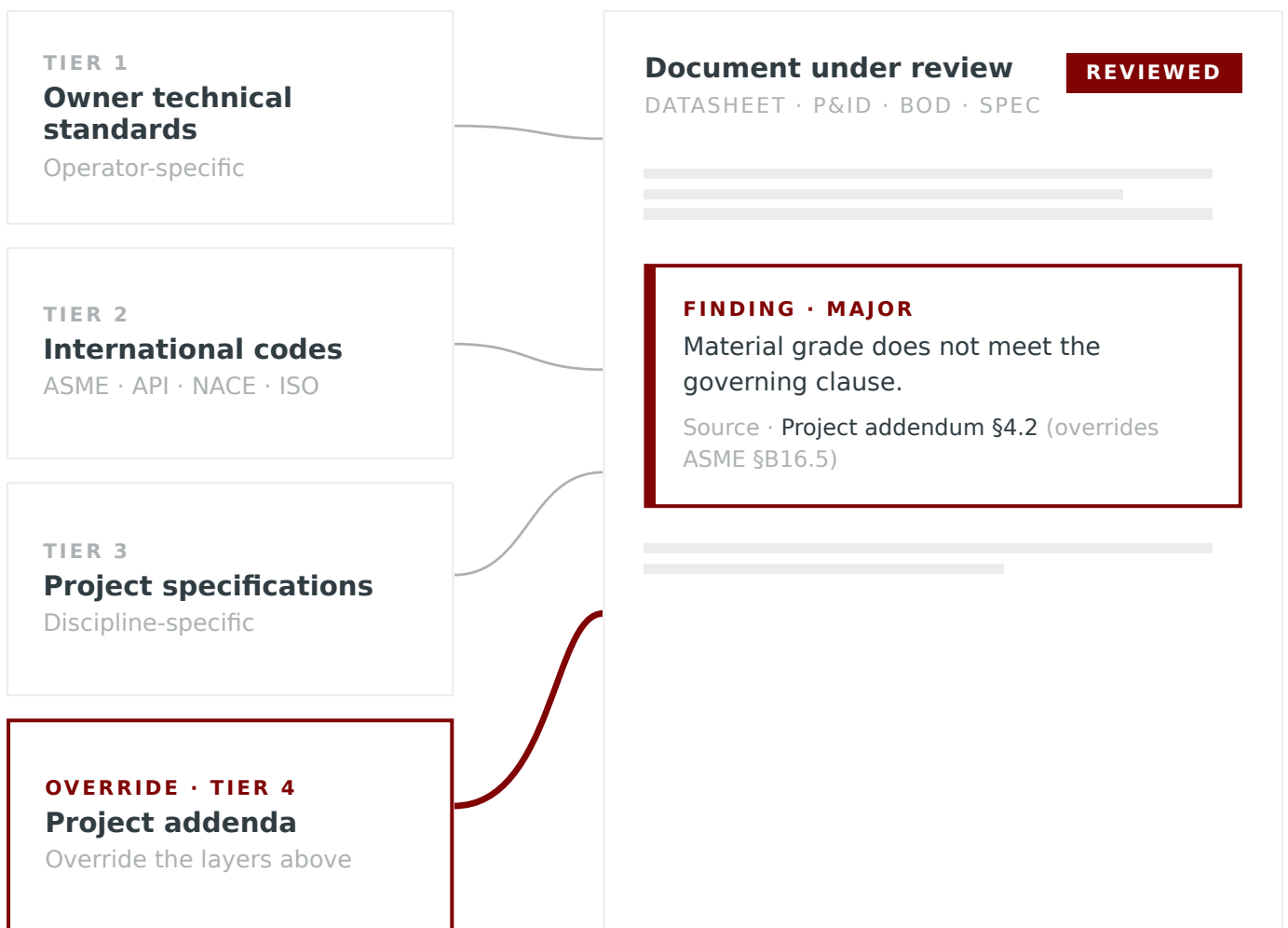
SOLUTION BRIEF

AI Compliance for Oil & Gas Capital Projects

Compliance review at machine speed. Defensible at human standards.

The AI compliance platform that reads **your full standards stack** — owner standards, international codes (ASME, API, NACE, ISO), and project addenda — and reviews every datasheet, P&ID, BOD, drawing, and specification against it, with a clause citation on every finding.

WHAT THE PLATFORM READS · APPLIED PRECEDENCE



Every clause, hierarchy preserved. The platform reads all four layers, applies the override automatically, and reviews against whichever clause actually governs.

● **CITED ON EVERY FINDING**

Document review across the revision lifecycle.

A single capital project generates **250,000+ documents** across engineering deliverables — datasheets, P&IDs, BODs, drawings, and specifications. Each one moves through revision stages (IFR → IFA → IFC → As-Built) and must be reviewed against a layered stack of owner standards, international codes (ASME, API, NACE, ISO), and project addenda that override them. The further into the lifecycle a non-conformance travels, the more it costs to correct.

WHERE REVIEW BREAKS ACROSS THE REVISION LIFECYCLE

IFR

ISSUED FOR REVIEW

Discipline review queue. Volume crushes reviewers; senior engineers spend their time on lookup, not judgment.

IFA

ISSUED FOR APPROVAL

Deviation register opens. Addendum → overrides get missed; the hierarchy is layered and easy to apply wrong.

IFC

ISSUED FOR CONSTRUCTION

Procurement and fabrication. A wrong → parameter on a datasheet propagates downstream and costs orders of magnitude more.

As-Built

HANDOVER & AUDIT

Owner and PMC audit. Findings must be defensible to the auditor and traceable back to source.

— caught early, low cost

caught late · orders of magnitude more →

Why current approaches fail.

Outsourced review desks

Introduce quality drift and data-residency exposure. Reviewer skill varies. Engagement boundaries are hard to enforce on sensitive engineering data.

Generic AI tools

Find similar-looking text but cannot reason about negation, thresholds, or which clause wins when a project addendum overrides an owner standard — their output will not pass an auditor's review.

Point compliance tools

Solve one narrow check and lock you into one workflow. Don't compound across disciplines or carry the addendum-override logic through every review.

WHY THIS MATTERS NOW

Owners are mandating AI in their tenders — AI engineering-standards compliance has moved from differentiator to requirement in Gulf operator tenders; others are following. Reasoning models have crossed the bar — grounded retrieval and clause-level citation now produce findings that hold up to PMC review, not just plausible-looking text. Senior discipline reviewers remain scarce; project volumes are rising.

How the platform handles owner standards, codes, and project addenda.

The platform is a multi-tenant AI compliance solution purpose-built for enterprise document intelligence in oil & gas. It loads your full standards stack — owner standards, international codes, project specifications, and addenda — and understands the precedence between them. For every datasheet, P&ID, BOD, drawing, or specification under review, it parses obligations **clause-by-clause** — distinguishing a "shall" from a "should," catching negations and thresholds, and reasoning about whether the document actually meets the requirement.

Addendum-override logic, applied automatically.

In capital projects, the owner standard says one thing and a project addendum often overrides it. Getting the precedence wrong means the review is wrong. The platform parses the addendum hierarchy at ingestion and applies the correct precedence at review time — every reviewer sees which clause version actually governed each finding.

OVERRIDE CHAIN · HOW PRECEDENCE RESOLVES

OWNER STANDARD
Original requirement

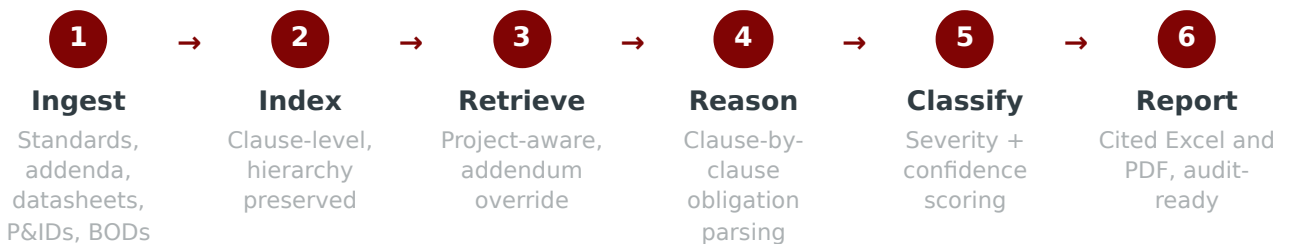


INTERNATIONAL CODE
Governing clause



PROJECT ADDENDUM
Applied to this finding

HOW IT WORKS · SIX-STEP PIPELINE



Revision intelligence, across the project lifecycle.

As deliverables move through IFR, IFA, IFC, and As-Built, the platform tracks how each finding evolves — every reviewer sees what's new, what's been carried forward, what's been cleared, and what's come back.

FINDING STATES ACROSS REVISIONS

NEW

First detected in this revision.

RECURRING

Carried forward from a prior revision.

RESOLVED

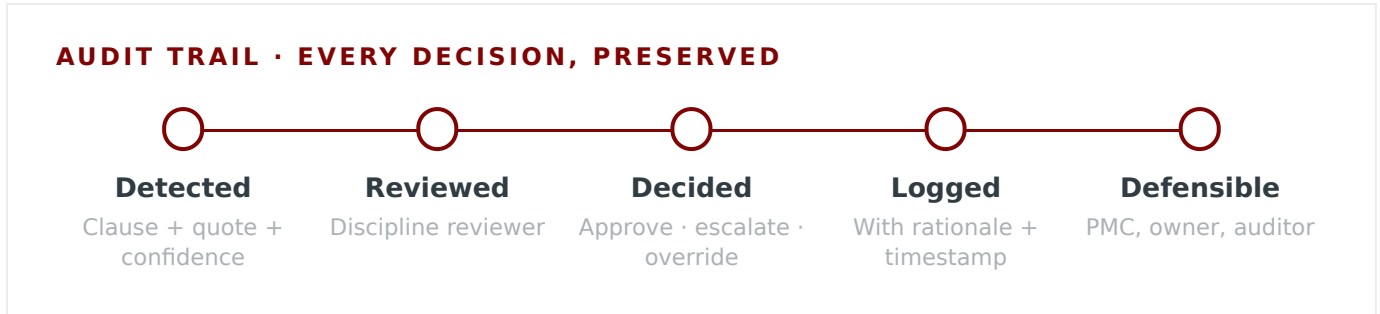
Cleared in the current revision.

REGRESSED

Re-introduced after a previous fix.

PMC-defensible findings, by construction.

The platform's output is engineered to survive a PMC, owner, or third-party auditor review. Every finding carries a severity classification (Critical / Major / Minor / Observation), the source clause and source quote it references, and a confidence score reported *separately* from the verdict. Reviewers can approve, escalate, or override — every decision is logged, and the audit trail moves with the finding from detection to handover.



What the platform measurably delivers.

70–80% Reduction in review cycle time From active EPC engagements.	10× Throughput per reviewer Same team, more deliverables.	60,000 Docs in 48 hours vs. 2–4 months manual Benchmarked vs. a 15-person team at ~500 docs/day.
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Prove it on your discipline standards. *A 2-week scoped pilot.*

We configure the platform for one discipline and run a live review against your real engineering deliverables — no platform commitment.

We bring

The platform configured for one discipline, an engineering AI lead, and a solution architect — delivered as managed SaaS.

You bring

One representative discipline standard, 8–10 IFR-stage deliverables (datasheets, P&IDs, BODs), and a discipline lead for two 90-minute sessions.

You get

Findings benchmarked against your manual review, an audit-trail sample defensible to your PMC, and a roadmap to production.

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