

CATEGORY · ENGINEERING ASSURANCE

Engineering Assurance at Machine Speed

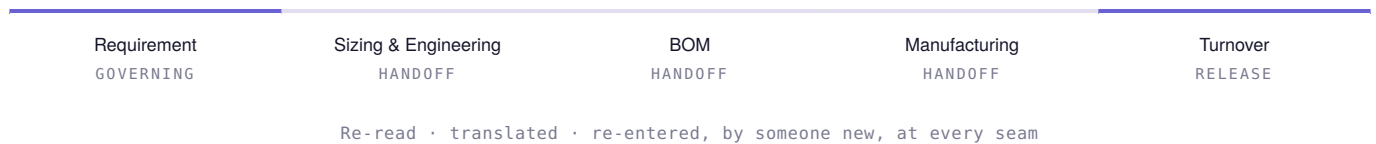
standrdX is the engineering assurance platform that validates engineering handoffs against the requirements, standards, specifications, drawings and data that govern them.

In one breath: standrdX checks whether the requirement survived the handoff.

02 THE PROBLEM

Nothing in industrial engineering gets built from one document.

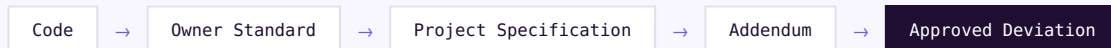
A governing requirement passes through sizing, engineering, BOM, manufacturing and turnover. At every handoff it is re-read, translated and re-entered by someone new. Every document can be internally correct and still contradict the one before it. Left undetected, those discrepancies become scrap, rework or audit findings.



03 HOW IT WORKS

01 Read the engineering record Customer specifications, governing standards, calculations, datasheets, BOMs, drawings and turnover documents.	02 Apply precedence Determine which requirement governs when the governing documents disagree, and carry that decision forward.	03 Validate the handoff Check each deliverable against the requirement that actually applies, at project scale and at every revision.	04 Engineer decides Every finding carries its clause and evidence. The engineer reviews, decides and approves. The decision is recorded.
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standrdX applies precedence across the governing documents to determine which requirement governs.



The owner standard is your own standard, and that is the level standrdX assures against. Codes sit in the chain as one input, not as the point of the product.

04 ANATOMY OF A FINDING

HIGH

Datasheet DS-1204 · Rev 03

NON - CONFORMANT

Specified material grade for wet H₂S service does not meet the governing corrosion-service clause.

Cited · Owner materials standard, sour-service section · project addendum P2-A14 takes precedence

Materials in wet H₂S service shall be qualified to the hardness and metallurgical limits specified in this section, unless otherwise governed by project addendum.

Governing document	Evidence source	Status
Owner standard	Clause + extracted fact	Awaiting engineer approval

standrdX does the first pass. Your engineers make the call.

Speed without handing over accountability. Every decision is recorded, every approval traceable.

STANDRDX

Reads

Compares

Determines

Finds

Explains

Tracks

Prepares

ENGINEER

Reviews

Decides

Approves

Escalates

Human governance is the design, not a safeguard added afterwards. Each finding carries the governing clause, the extracted fact and the evidence source, so it can be checked rather than taken on trust.

06 WHAT IT ASSURES

standrdX performs the first pass across the engineering record.

Configure it once against your requirements, then run it across every document in scope.

01	02	03	04
Datasheet review	Drawing review	BOM validation	Cross-document validation
Compare engineering parameters against project and customer requirements.	Find deviations, missing information and inconsistencies.	Trace requirements through the bill of materials.	Identify conflicts across connected engineering documents.

07 WHERE IT APPLIES

SEGMENT	WHAT THEY CALL THE JOB	THE HANDOFF BEING GUARDED
EPC firms & owner-operators	Technical assurance / vendor deliverable review	Vendor deliverable → owner standard
Industrial OEMs	Application engineering, order engineering, spec to BOM	Customer specification → BOM
Pharma manufacturers	Turnover package and C&Q dossier review	Turnover package → governing protocol

08 WHY IT IS DIFFERENT

ADJACENT CATEGORY	WHERE IT STOPS
Requirements management	Stores what was written. It does not verify that the requirement survived the translation.
Quality management systems	Record the discrepancy after someone finds it. standrdX catches it at the handoff. The two are complementary.
Extraction and reconciliation	Stops at the flagged conflict, without ruling on which requirement governs.
Code-checking services	standrdX assures your requirement against the standards you set. Codes are one input among several.

09 NEXT STEP

Prove it on your standards, your documents.

See standrdX run against your own standards, your deliverables and your governing documents, and judge the findings the way your engineers would.

See standrdX in action

Talk to an expert