

Dovela

Traceable review of engineering document consistency

Equipment tags, source evidence and recorded review decisions

Startup application briefing · October 2026
Chile · dovela.cl · early local prototype

The review problem

Reviewers relate diagrams, equipment lists and revisions. A missing tag can require checking several sources before it becomes an actionable finding.

Proposed user

Discipline engineer or document QA reviewer

Proposed buyer

Engineering leadership in EPC/EPCM and industrial engineering teams

Initial market and value remain hypotheses. No measured savings or customer demand.

Source evidence and review

Document context

Tag comparison and source locations

Recorded review and portable results

A / LISTADO DE EQUIPOS

P1001	Transfer pump
H1002	Heat exchanger
T1003	Buffer tank

SYN-pdf-consistent-a · revisión A · demo-equipment

SHA-256
e47a6fd67dda950ec0ef02055b87c061a0650a891f057bfe98151f43bef08b33

row:3/column:tag

B / PLANO SINTÉTICO PDF

Página de evidencia 1 Cajas de texto en puntos PDF, origen superior izquierdo.

ORIGINAL SYNTHETIC DRAWING / QA-001 / REV A

Tag process future. Illustrative symbols. No engineering design authority.



P1001 H1002 T1003

Excluded scope examples: XV1001 / P1 / P01001

SYN-pdf-consistent-b · revisión A · demo-equipment

SHA-256 2f76f8b0eb73b5eb9897a61034c57b6103d0e0411872d125e891e4813a9b4d0c

page:1/word:18 · bbox 333.49, 245.73, 386.51, 263.73

Actual local demo · original synthetic sources

What the prototype demonstrates

10

Synthetic scenarios
8 CSV/SVG + 2 PDF/CSV

30

Tag outcomes checked
against frozen expectations

2

Source views
with locations and hashes

Includes bidirectional absence, duplicate identity and context abstention.
These are regression results. Engineering accuracy and time savings remain unmeasured.

Architecture and evidence

Source extraction

CSV, SVG and supported vector PDF
Raw tags and source locations
Reference research with DEXPI XML

Comparison and review

Conservative normalization
Union of both source inventories
Context checks and abstention
Portable, digest-verified receipts

Python loopback service and CLI share one engine. The static site inspects saved runs.

Data and bounded OCR evaluation

Six public source files inform extraction research.
Public demos use original synthetic sources.

Pretrained local OCR, outside the product

Initial test
Rotated: 0/3

Orientation search
Five variants: 3/3

Negative controls
Two abstentions

One synthetic source, not five independent projects. The initial failure is retained. No training.
Natural engineering accuracy remains unmeasured.

Business model to validate

Proposed commercial unit

A reviewed document package or engineering project

A recurring team subscription would depend on repeated review demand.
Pricing and willingness to pay require direct validation.

Current stage: prevalidation, with no verified customers, pilots or revenue.

Development and next milestones

Built in this release

Local CSV/SVG/PDF comparison
Source evidence and receipts
10-scenario regression package
Public application website

Next milestones

Submit eligible applications
Validate authorized natural documents
Measure reviewer time and demand
Design a bounded pilot

Professional and customer validation follow the application phase.

Why startup programs

Technology resources for a bounded prototype

Planned uses include storage of authorized sources, isolated processing jobs and a measured OCR or vision experiment. Services will follow actual requirements and approved spending.

Founder resources and technology credits initially. Active capital seeking follows cloud applications, as validation milestones justify it.

The next validation milestone

Founder: Kevin

Evaluate one authorized document package with an engineering reviewer and assess whether source-linked findings support a bounded pilot.

Near-term support: cloud startup resources
Application priority: AWS Activate Founders
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