

Know where your project margin is going.

The connected workspace for civil contractors: BOQ, costs, measurements, RA billing, materials and cash flow - brought into one decision view.

[COMPANY OVERVIEW](#) | [PRODUCT CAPABILITIES](#) | [WORKFLOW](#)

A clearer project picture, from estimate to collection.

PROJECT MARGIN OVERVIEW

[LIVE VIEW](#)

BOQ VALUE

₹ 50.0L

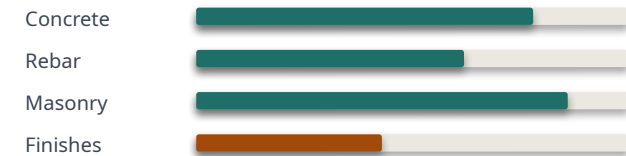
Contract baseline

FORECAST COST

₹ 41.8L

Actual + committed

MARGIN SIGNAL BY WORK PACKAGE



3 OPEN REVIEW PROMPTS

Quantity variance · Quote expiring · Cash shortfall

Illustrative interface and figures - not customer data.

THE PROBLEM

The data exists. The connections often do not.

Construction teams already have spreadsheets, bills and site records. Margin visibility is lost when those records stay separate.

01 DISCONNECTED RECORDS

BOQ, purchase bills, site measurements and client billing live in different files.

02 LATE COST SIGNALS

The final cost picture appears after the project has already moved on.

03 BILLING FRICTION

Incomplete quantities and missing references slow internal review of RA bills.

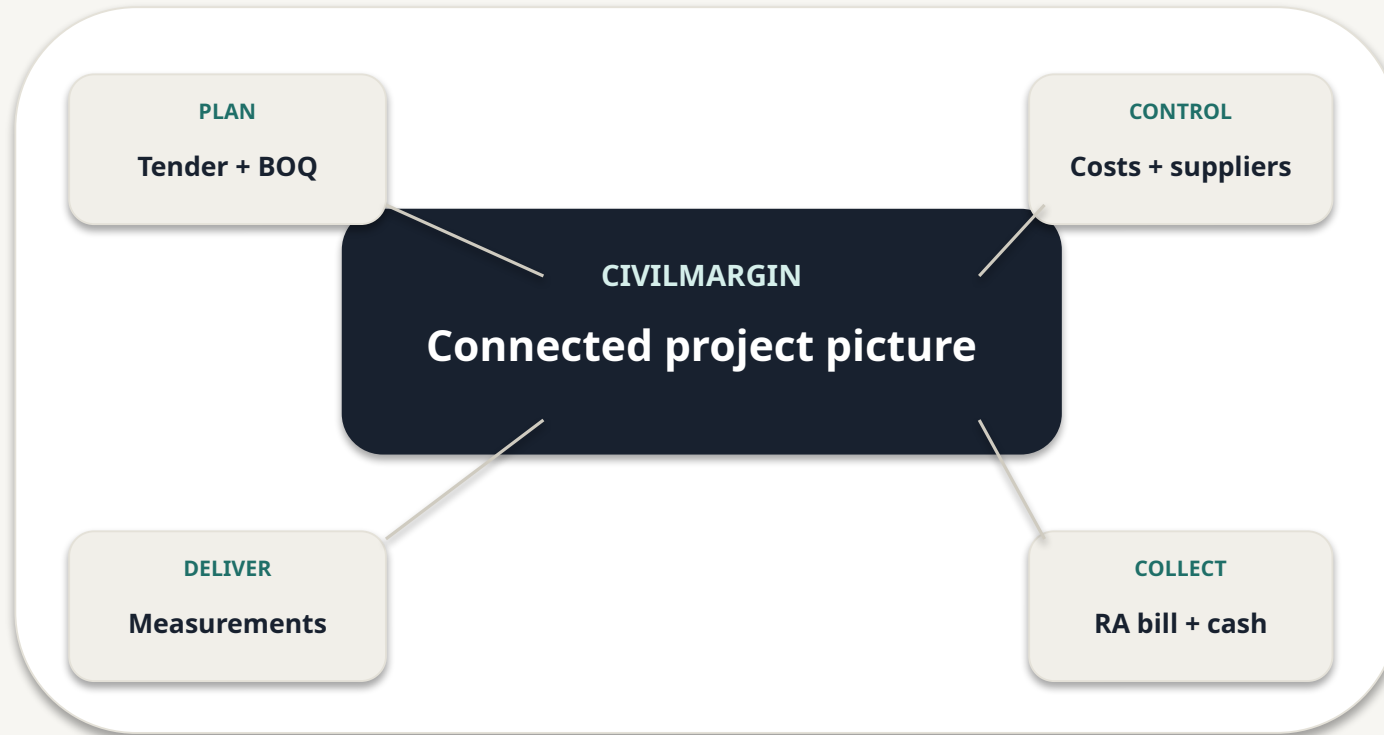
04 CASH SURPRISES

Receivables, supplier dues and future commitments are hard to see together.

CivilMargin links existing records into a repeatable project-control workflow.

A project economics layer - designed for construction.

A shared operating view above your existing files and accounting systems, with human review built into the workflow.

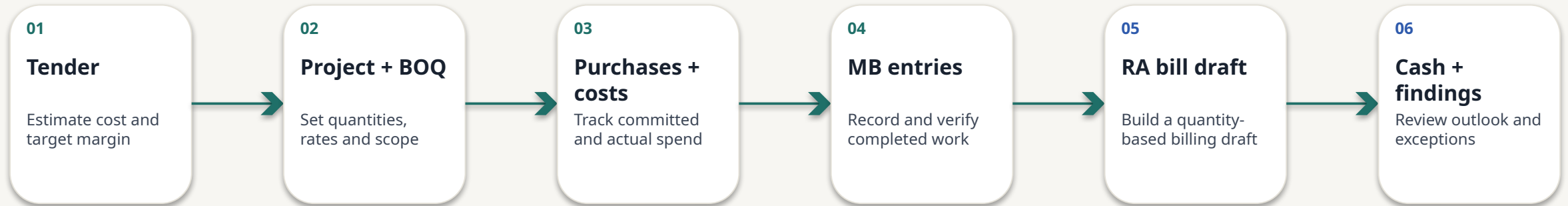


THE VALUE

- **One project language**
Item codes, amounts, units and time periods align.
- **Evidence behind signals**
Findings point to source records and formulas.
- **People stay in control**
A user reviews extracted data and approves decisions.
- **Works beside accounting**
Use imports and exports instead of forced replacement.

One workflow from tender assumptions to margin review.

The same project identifiers and approved records keep data connected as the job moves from estimate to execution and collection.

**ALWAYS-ON CONTROL LAYER****Documents**

Extract → review → confirm

Approvals

Role, threshold and history

Notifications

Events, owners and reminders

Reports

PDF, Excel, CSV and Tally XML

One project record connects every major module.

This is the central idea: each feature adds context to the same project economics view instead of creating another isolated worksheet.



Tender and BOQ establish the project's baseline.

Start with the priced scope - then use it as the common reference for costs, quantities and billing.

01 / ESTIMATE

Tender calculator

Model direct cost, overhead, logistics, contingency, financing and expected margin. Test how cost inflation or price changes affect the result.

02 / BASELINE

BOQ & rates

Import from Excel or CSV, map columns, maintain item units and rates, and retain a revision history for changing quantities or rates.

03 / DELIVERY

Project setup

Create the project, record client and contract assumptions, configure tax/retention defaults and set project access for the team.

INTERCONNECTION

BOQ item and rate history become reference points for purchase cost, measurement quantities, RA bill checks and margin findings.

Connect supplier decisions with what the project consumes.

See actual spend and committed spend together - and compare material issues with the planned quantity.

PROCUREMENT → COST CONTROL

- **Supplier quotes** Compare specification, unit, landed cost and quote expiry.
- **Purchase orders** Record commitments before the supplier invoice arrives.
- **Supplier bills + expenses** Link invoice, amount, payment and project/BOQ item.
- **Material movements** Record received, issued, returned and adjusted quantities.

WHAT BECOMES VISIBLE

Budget vs spend

Actual and committed cost, by project and item.

Quote discipline

Old or expiring quotes surface before a purchase.

Material variance

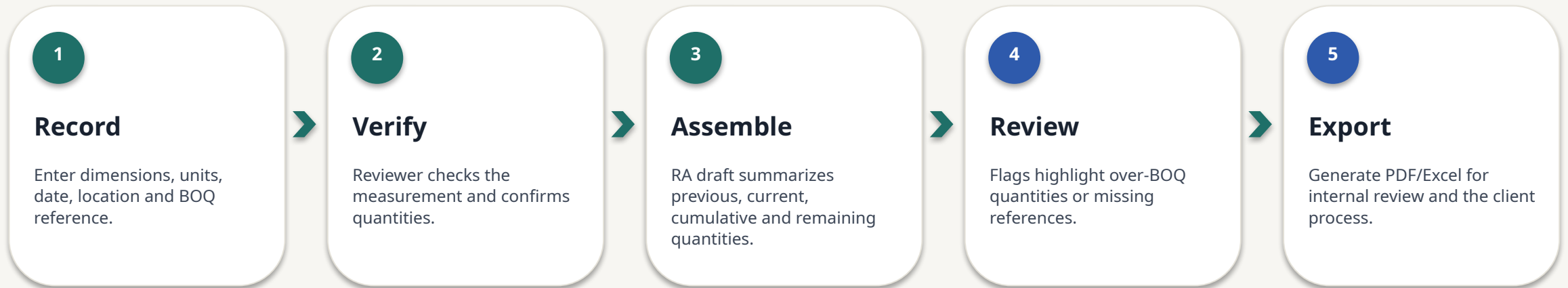
Theoretical use vs issue, with allowed wastage.

Invoice review

Potential duplicate or mismatched documents.

A practical path from site measurement to a bill draft.

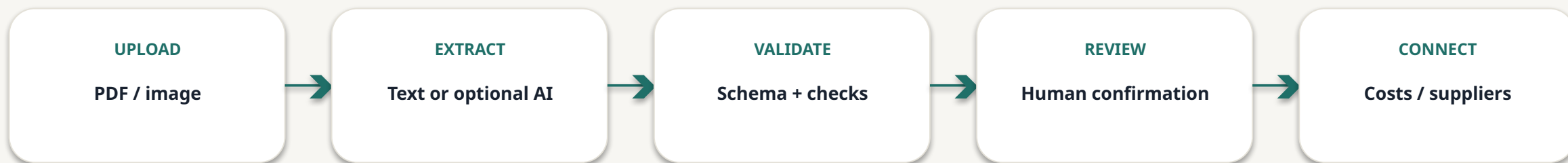
CivilMargin can organize the evidence and calculations; your QS or engineer still validates contract and tax treatment before submission.

**IMPORTANT**

RA bills are drafts for review; CivilMargin does not automatically certify or submit a bill to the client.

Turn invoices and quotations into reviewable business records.

AI is optional. Whether extraction is manual, text-based or AI-assisted, confirmed values remain the accountable source.



Extracted fields

Supplier, GSTIN, document date/number, line items, totals and tax fields when present.

Evidence stays visible

Review screen lets the team check values and source evidence before confirming.

Privacy by default

Original retention is optional; enable it only after private storage and access are configured.

Profit on paper and cash in the bank are different views.

Cash flow combines expected receipts and payments into a forward-looking picture, while margin analysis compares the project baseline with expected cost.

FORECAST HORIZON

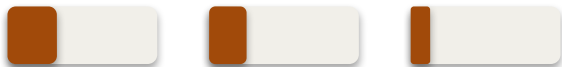
Optimistic



Base



Conservative



30 days

60 days

90 days

DECISIONS THIS SUPPORTS

Can we meet upcoming obligations?

Compare likely inflows with supplier, labour, tax and operating payments.

Which project needs attention?

Sort projects by forecast margin, cost movement and overdue balances.

What changed since estimate?

Review committed and actual costs against the BOQ and tender assumptions.

What should be escalated?

Investigate shortfalls and risk signals before acting.

A review queue, not a black-box verdict.

Fourteen rule-based checks highlight records worth reviewing. Every finding can be opened, resolved or dismissed with a reason.

● **Duplicate invoice**

Same normalized supplier and bill number

● **Quantity × rate mismatch**

Line quantity and rate do not match amount

● **Duplicate payment**

Same project, party and amount close together

● **Quote expiry**

Quote is expired or expiring soon

● **Material wastage**

Recorded use exceeds theoretical use + allowance

● **Near-duplicate invoice**

Similar supplier, amount and date

● **Budget overrun**

Actual + open commitment crosses tolerance

● **Missing reference**

PO, BOQ link or required reference is missing

● **Payment overdue**

Payable or expected receipt is past due

● **Cash shortfall**

Forecast balance drops below configured cash floor

● **Invoice total mismatch**

Line sum, subtotal, tax and total do not reconcile

● **Billed vs measured**

Billed quantity exceeds verified quantity

● **Unapproved variation**

Non-approved variation appears on an open RA bill

● **Unit mismatch**

Cost unit cannot be converted to BOQ unit

A finding is not proof of fraud, error or legal non-compliance. Confirm source records and business context.

The right people see the right work - with decisions recorded.

Company membership roles and project scopes restrict visibility; approval rules and the audit trail add accountability.

OWNER / ADMIN

Company settings, teams, billing and overall access.

PROJECT MANAGER

Assigned projects, progress, variations and approvals.

QS / ACCOUNTS

BOQ, measurements, costs, RA bills, documents and reports.

VIEWER

Read-only access to assigned projects and reports.

Approvals

Variation thresholds, approver roles and decision history.

Notifications

In-app events with optional email and WhatsApp delivery.

Activity history

Track imports, edits, approvals and exports for auditability.

Cross-cutting: membership scope · tenant separation · owner review · timestamped decisions

Fit into the company's existing operating stack.

Core workflows do not depend on every integration. Optional services activate when the owner configures provider credentials and tests the end-to-end path.

REPORTING OUTPUTS

PDF

PDF

Paginated management and project reports

Exc

Excel / CSV

Operational lists, data exchange and review

Tal

Tally XML

File-based voucher exchange;
import/export only

OPTIONAL SERVICE CONNECTIONS

AI providers

OpenAI or Anthropic for document extraction

Email

Resend for resets, invitations and alerts

WhatsApp

Meta Cloud API + approved template

Payments

Razorpay subscription checkout + webhooks

Scheduling

Vercel Cron + CRON_SECRET

File retention

Vercel Blob - requires private-storage controls

Zoho Books and QuickBooks live connectors are not included; Tally is currently file exchange, not live sync.

Turn the records you already maintain into better decisions.

Outcomes depend on disciplined data entry and team adoption. The system provides visibility and prompts - it does not promise a fixed saving or margin uplift.

OWNERS / DIRECTORS

See forecast margin, risk signals, cash pressure and portfolio comparisons.

QS / BILLING

Connect measurement evidence to BOQ lines and prepare bill drafts with quantity checks.

ACCOUNTS

Track payables, receipts, document review and cost allocation.

PROCUREMENT

Compare supplier offers and keep purchase commitments visible.

SITE / PROJECT

Record measurements, materials and extra work with clear responsibility.

MANAGEMENT

Review exceptions and export a traceable summary for decisions.

The operational win: fewer disconnected hand-offs, earlier review of exceptions, and a shared picture of project economics.

Company-level control and platform-level control are separate.

Customer owners manage their own team and settings. The CivilMargin operator has a separately protected console for platform operations.

CUSTOMER COMPANY

Company Owner / Admin

- Projects, BOQ, costs and billing
- Members, roles and project access
- Company settings and subscriptions

PLATFORM OPERATOR

Super Admin Console

- Cross-tenant usage overview and company directory
- Suspend / restore workspace access without deleting data
- Server-checked admin identity + platform audit log

Auth

Better Auth session checks; password stored as a hash in MongoDB.

Tenant boundaries

Company/project access is enforced server-side.

Secrets

Provider credentials belong in Vercel Environment Variables, never source code.

Start with one project. Connect the records. Act on the signals.

Suggested pilot input pack

- | | | | |
|----|----------------------------------|----|----------------------------------|
| 01 | One project BOQ | 02 | Recent supplier bills + POs |
| 03 | Measurement / RA bill sample | 04 | Material plan + cash assumptions |
| 05 | Named reviewers + approval rules | | |

CIVILMARGIN

**Know where your
project margin is
going.**

PLAN	Tender · BOQ · project
CONTROL	Costs · suppliers · materials
DELIVER	Measurements · RA bills
DECIDE	Cash · findings · reports

Request a guided pilot with your existing project records.