



ENTERPRISE PROJECT & JOB COSTING PLATFORM

Integra ProjectOS

ESTIMATE • COMMIT • CONTROL • BILL

A cloud-native, multi-company project controls and job costing platform for construction, EPC, infrastructure, MEP and marine/trading businesses — one governed database that runs the BOQ into the budget, commitments into the cost ledger, site progress into RA bills, and everything into earned-value dashboards, with India and GCC commercial rules built in.



India / GCC Ready

RA bills • Retention • GST • TDS •
Labour cess • Mobilisation advance
• INR & AED • English / Arabic RTL

Closed-Loop Costing

BOQ → Budget → Commitment →
Actual → RA Bill → EVM — one
database, nothing re-keyed

Open Platform

REST API • Multi-tenant SaaS • Role-
based access • Cloud or on-premise

ABOUT THE COMPANY

Integra IT Solutions FZE LLC

Integra IT Solutions — formerly Edocs Solutions & Computer Consultants — has spent two decades building ERP, WMS, EDMS, CRM and BPM platforms for organisations that live and die by the clock.

Headquartered in Sharjah, UAE, our systems run inside top-tier courier, logistics, trading and contracting enterprises across the GCC, India, Africa and Southeast Asia. We build purpose-built platforms — not generic software bent out of shape — and we own the domain complexity so our customers don't have to.

Integra ProjectOS is the project controls and job costing backbone of the Integra platform suite. It runs standalone, or connected to Integra Finance, Integra Ontrack ERP, Integra WMS and third-party systems through its open REST API.

Company at a glance

ORIGIN

Sharjah Publishing City Free Zone, UAE

EXPERIENCE

20+ years · 100+ global clients

REACH

Live deployments across GCC, India, Africa & Southeast Asia

PRODUCT LINES

Courier ERP · Cargo & Logistics · Warehouse WMS · Integra Finance · Integra ProjectOS · Integra AI · EDMS · CRM

DELIVERY

Cloud SaaS or on-premise · UAE / India data residency · 24/7 support

THE PRODUCT

What is Integra ProjectOS?

A complete project & job costing system — from the tender and bill of quantities through contracts, procurement, site execution and change control, to RA bills, cash flow and earned-value performance — designed around how contractors in India and the Gulf actually run a job: running-account bills with retention and advance recovery, GST / TDS / labour cess on every certificate, two-tier purchase approvals, and a cost ledger the auditor can trace line by line.



Estimate & Budget

Hierarchical BOQ with cost codes, resources, rate analysis and norms; tender pipeline with win probability; one-click budget from the BOQ with versioned, approved baselines.



Commit, Execute & Cost

Contracts and POs post commitments automatically; GRNs post actuals; DPRs, RFIs, QA, HSE, stores and tasks capture site reality; change orders ripple into budget and contract value.



Bill, Forecast & Govern

RA bills with cumulative quantities, retention, GST, TDS and cess; advance recovery; cash-flow curves; EIA-748 style EVM with CPI / SPI / EAC / TCPI; portfolio RAG health; audit trail on every action.

70+

SCREENS ACROSS
25+ MODULES

340+

REST API
ENDPOINTS

2

BUSINESS LINES —
CONSTRUCTION
& TRADING / LOGISTICS

2

LANGUAGES
ENGLISH · ARABIC RTL

Benefits at a Glance

One Governed Database

The BOQ becomes the budget, the contract becomes the commitment, the GRN becomes the actual and the RA bill becomes revenue — in one ledger, with no spreadsheets in between.

Real-Time Cost Position

Budget · Committed · Actual · Forecast · Variance at every cost code, the moment a PO is approved or a receipt is booked — not at month-end.

Billing the Indian Way

RA bills with previous / current / cumulative quantities, retention and release, mobilisation advance recovery, GST, TDS and labour cess computed on every certificate.

Earned Value, Defensible

PV, EV, AC, CPI, SPI, EAC, ETC, VAC and TCPI with monthly S-curves and cost-code breakdowns — the numbers owners and lenders ask for.

Site to Office, Same System

DPRs, RFIs, QA checklists, HSE incidents, stores and Kanban tasks feed cost and progress directly; no separate field app to reconcile.

Governed by Design

Approve / certify workflows, two-tier LPO approval, immutable audit log, five role templates across 23 permission modules, tenant isolation.

Major Features

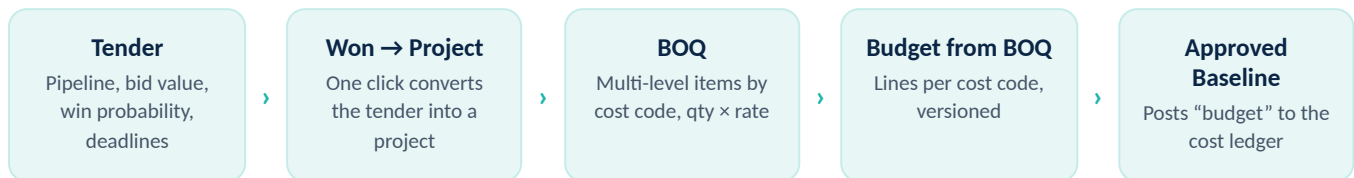
- ✓ Browser-based — nothing to install
- ✓ Multi-tenant, multi-company, multi-currency
- ✓ English and Arabic interface with full RTL
- ✓ Hierarchical BOQ with versions and approval
- ✓ Budget generated from the BOQ in one click
- ✓ Contracts with retention, DLP and advance terms
- ✓ PO approval posts commitments; GRN posts actuals
- ✓ Change orders auto-revise budget and contract value
- ✓ Unified cost ledger: budget · commitment · actual · forecast
- ✓ RA bills with retention, GST, TDS, cess, advance recovery
- ✓ EVM: CPI, SPI, EAC, ETC, VAC, TCPI with S-curves
- ✓ Cash-flow planned vs actual by month
- ✓ DPR, RFI, QA, HSE, stores and risk matrix
- ✓ Health Score, forecasts and smart alerts
- ✓ Portfolio roll-up with RAG health
- ✓ Trading suite: enquiry → quotation → job → LPO → invoice
- ✓ Two-tier purchase-order approval
- ✓ 11 print-ready documents on letterhead
- ✓ Roles: 23 modules × 4 access levels
- ✓ Audit trail with before / after values
- ✓ REST API with OpenAPI docs
- ✓ Super-admin tenant console; automated backups

Modules



From Tender to Approved Baseline

The front half of a project is where margin is won or lost. Integra ProjectOS originates the estimate from a structured bill of quantities, prices it from resources and rate analysis, tracks the bid, and freezes the award as the control baseline — without re-typing a single line.



Bill of Quantities

- ✓ Hierarchical, multi-level BOQ per project — parent / child items, item numbers, units, quantities, rates and amounts
- ✓ BOQ types and versions with status, approver and approval date
- ✓ Every item mapped to a **cost code** — the spine shared by budget, ledger, EVM and DPR
- ✓ CSV export for client submission and QS review
- ✓ RA bills pull their rates straight from the BOQ line

Cost Codes & Resources

- ✓ Hierarchical cost-code structure per project (Site Preparation → Excavation → Foundation → Columns by floor → Slabs → Finishing)
- ✓ Resource master by category: labour, material, plant — code, unit, base rate, specifications
- ✓ Organisation-level cost-code format and auto-number prefixes

Rate Analysis & Norms

- ✓ Unit-rate build-up per BOQ item: material + labour + equipment + subcontract components
- ✓ Productivity norms library — activity, unit, output per day, crew size, labour and equipment hours, material consumption, source
- ✓ Norms are reusable across projects and tagged by source (manual / historical / imported)

Tender & Bid Management

- ✓ Tender register with number, title, client, type, sector and location
- ✓ Nine-stage status: identified → pursuing → bid preparation → submitted → under evaluation → won / lost / no-bid / cancelled
- ✓ Estimated value, bid value, submission deadline and win probability
- ✓ Pipeline summary and dashboard pie by stage; pipeline value on the home KPI strip
- ✓ **Convert won tender to project** — no re-entry of client, value or scope

Budgets & Baselines

- ✓ Budget versions with original, revised and approved-change amounts per cost code
- ✓ Generated directly from the BOQ (source BOQ retained for traceability)
- ✓ Draft → approved workflow; approval writes budget transactions to the cost ledger
- ✓ Status cannot be bypassed through edits — only through the approval action
- ✓ Approved change orders revise the budget automatically

What this means for you

The estimator's BOQ, the PM's budget and the accountant's ledger are the same numbers. When a client asks "what did you bid and where are you now?", the answer is one screen.

Commitments, Actuals and the Cost Ledger

Every commercial event posts to a single **cost transaction ledger** — budget, commitment, actual and forecast by cost code and period. Nothing is keyed twice; nothing is estimated at month-end.

Event in the system	Ledger posting	What changes
Budget approved	BUDGET	Baseline per cost code; BAC for EVM
Contract / subcontract activated	COMMITMENT	Line items by cost code commit value; retention and advance terms captured
Purchase order approved	COMMITMENT	PO value committed; status draft → approved
Goods receipt (GRN) posted	ACTUAL	Accepted quantities × rate become actual cost; PO marked received
Change order approved	BUDGET (revision)	Budget revised and project contract value increased automatically
Manual / forecast entry	ACTUAL • FORECAST	Site costs, timesheets, re-forecasts with reversal flag and audit entry

Contracts & Subcontracts

- ✓ Types: subcontract, purchase agreement, service and more
- ✓ Vendor, GST number, contract and revised value, currency
- ✓ Payment terms, retention % and limit, defect-liability months
- ✓ Mobilisation advance %, recovery rate and start threshold
- ✓ Line items by cost code; activation posts commitments

Procurement

- ✓ Purchase orders with vendor, delivery date and location, payment terms
- ✓ Items with ordered vs received quantities
- ✓ Approval action posts commitments to the ledger
- ✓ GRN with received / accepted / rejected quantities per line
- ✓ Receipt posts actuals and closes the PO

Change Orders / Variations

- ✓ Change number, type, reason, requested by
- ✓ Cost impact and time impact in days
- ✓ Status: identified → evaluating → approved / rejected
- ✓ Approved amount and days recorded separately from requested
- ✓ Approval ripples into budget and contract value, with audit entry

Job Costing — the live cost sheet

- ✓ Unified ledger per project rolled up by cost code
- ✓ Budget → Committed → Actual → Forecast → Variance on one screen
- ✓ Source type and ID on every line — click through to the PO, GRN, contract or change order behind the number
- ✓ Period tagging for monthly cost reporting; reversal flag for corrections
- ✓ Summary by cost code feeds EVM, analytics and portfolio

Approval discipline, built in

- ✓ Budgets, contracts, POs, change orders, DPRs and RA bills each have a dedicated approve / certify action
- ✓ Generic edits can never flip a status — only the workflow action can
- ✓ Every approval writes an audit-log entry with user, time and changes
- ✓ Configuration endpoints (roles, settings, email, AI) are admin-only
- ✓ Notifications raise *approval required*, *overdue* and *alert* items to the right people

Capture Site Reality, Not Site Stories

Progress, quality, safety and stock are recorded against the same cost codes and activities the budget uses — so what the site reports is what the cost sheet, the EVM curve and the RA bill see.



Daily Progress Report

Date, weather, site conditions, work summary, delays, safety notes, visitors, labour and equipment counts. Activity rows record planned vs actual quantity and hours per cost code. Draft → submitted → approved.



Schedule & Gantt

Activities with WBS code, planned vs actual start and finish, duration, % complete, status, priority and predecessors. Budget and actual cost per activity; Gantt view.



Tasks Kanban

Drag-reorder board with status, priority, assignee, due dates, labels, estimated vs actual hours, sub-tasks, comments, burndown and workload charts. “My Tasks” across all projects.



RFIs

Subject, question and answer, category, priority, assignee, due date, cost impact, schedule impact in days, drawing and spec references. Summary and overdue alerts.



QA / QC Checklists

Inspection checklists with check items — description, specification, result, observation. Completing an inspection auto-grades it passed / partially passed / failed.



HSE Incidents

Type, severity, date, location, people involved, immediate action, root cause, corrective and preventive actions, investigation and closure, days lost, cost incurred.



Stores & Inventory

Opening, received, issued and current stock, minimum stock, unit rate and location. Receipt and issue transactions; negative-stock issues are blocked; low-stock alerts.



Risk Register

Probability and impact with computed score and level, owner, mitigation and contingency plans, cost and schedule impact, trigger. Probability × impact matrix per project and organisation-wide.



Attachments on Everything

Drawings, photos, test certificates and approvals against any record — BOQ, contract, PO, DPR, RFI, incident — with sanitised filenames and per-organisation storage.

Workflow guides inside the product

Every menu section ships with an animated “Workflow” walkthrough and an in-app Help centre, so site engineers and new joiners learn the sequence — DPR → QA → RFI → change order — without a training manual.

What this means for you

- ✓ Planned vs actual quantities per cost code come from the DPR, not from memory
- ✓ RFIs with cost impact become change orders without re-typing
- ✓ Low stock, open incidents and overdue RFIs surface as smart alerts on the dashboard

RA Bills, Retention and the Numbers Owners Ask For

Running-account billing is where generic project tools hand you a spreadsheet. In Integra ProjectOS it is native: cumulative quantities from the BOQ, statutory deductions on every certificate, advance recovery tied to the bill, and earned value computed from the same ledger.

RA Bill — what is on every certificate

Component	How it is computed
Line items	Per BOQ item: previous, current and cumulative quantity and amount; rate pulled from the BOQ
Gross & cumulative	This-bill gross and running cumulative to date
Retention	% and amount withheld; released amount tracked for release bills
Advance recovery	Mobilisation / other advance recovered at the contract's rate once the start threshold is crossed
GST • TDS • Labour cess	% and amounts from organisation defaults, editable per bill
Other deductions	Free-form deductions with net amount recomputed on the server
Status	Draft → certified via a dedicated certify action; billing periods with number, dates and status

Advances & Recovery

- ✓ Mobilisation and other advances linked to the contract
- ✓ Recovery rate, recovery start % and balance remaining
- ✓ “Calculate for bill” proposes the recovery; “recover” posts it against the RA bill
- ✓ Auto-flag when fully recovered; summary of active vs closed advances

Earned Value Management

- ✓ **BAC • PV • EV • AC** from budget, schedule progress and the ledger
- ✓ **SV • CV • SPI • CPI** with colour-coded badges on the dashboard
- ✓ **EAC • ETC • VAC • TCPI** — cost at completion, to-complete and the performance index needed to land on budget
- ✓ Monthly PV / EV / AC series rendered as S-curves
- ✓ Breakdown by cost code: BAC, EV, AC, CV, SV, CPI per line
- ✓ Period endpoint for month-by-month reporting

Cash Flow

- ✓ Monthly periods with planned vs actual inflow and outflow
- ✓ Net flow and cumulative net position, charted
- ✓ Totals and net cash position per project; portfolio roll-up

Why it matters

- ✓ Over- / under-billing is visible: earned vs billed vs cost on one page
- ✓ Retention receivable and advance exposure are known, not guessed
- ✓ CPI below 1.0 raises a *low CPI* smart alert before the quarter closes
- ✓ Lenders and owners get EVM in the vocabulary they expect

DPR quantities

Actual qty per cost code

RA bill lines

Cumulative – previous = current

Deductions

Retention • advance • GST • TDS • cess

Certified

Billed amount on dashboard & portfolio

EVM & cash flow

EV, CPI, inflow updated

Enquiry to Invoice for Job-Based Trading Businesses

Ship chandlers, marine and offshore suppliers, project-cargo forwarders and trading houses run jobs, not construction sites. Integra ProjectOS includes a second business line on the same tenant and master data: a document-driven job workflow with two-tier purchase approval, catalogue stock and print-ready paperwork.



11 print-ready documents on your letterhead

Quotation • Enquiry • Receipt Note • Delivery Note • Delivery Order • Material Assigned • Purchase Order • Purchase Bill • Purchase Return • Proforma Invoice • Invoice — each with a print-preview dialog, organisation letterhead, GST / PAN and multi-currency formatting.

Quotation workspace

Five tabs — Customer • Notes & Delivery • Scope & Search • Price Details • Freight & Customs — with two editable grids for items and other charges, send-by tracking and one-click conversion into the job.

GCC trading

Marine & offshore supply

Project cargo

Service jobs

Dashboards, Health Scores and Smart Alerts

Every number on every dashboard is computed live from the cost ledger, the schedule and the field modules — no overnight batch, no BI project to maintain.

Screen	What you see
Home dashboard	KPI strip (projects by status, total budget, total billed, pipeline value) • My Tasks • Project Health table with CPI / SPI badges • tender pipeline pie • Budget vs Committed vs Actual vs Billed • recent cost activity
Portfolio	Roll-up of budget, committed, actual and billed; overall margin %; % complete, CPI, SPI and red / amber / green health per project; counts by status and type
Project Analytics	Health — composite 0–100 score with letter grade • Forecast — cost forecast from the monthly actuals trend • Insights — findings on budget, cost, RFIs, safety, stores, schedule, billing
Smart Alerts	Severity-sorted: budget overrun • low CPI • schedule delay • overdue RFI • expiring contract • low stock • open safety incident • stale risk
Charts	Bar, pie, area and line charts across dashboard, portfolio, analytics, cash flow, cost control, EVM and tasks — native, no plug-ins
Reports hub	CSV exports: projects, tasks, BOQ, cost control, contracts, billing, EVM, risks, RFIs, safety, stores, change orders

Governance

AUDIT TRAIL
Every create, update, approve and delete — user, action, entity, old and new values, IP address. Organisation-wide screen plus per-entity history.

NOTIFICATIONS
Approval required, overdue, alert, info and warning with priority; unread badge in the header; mark-read and mark-all.

ORGANISATION SETTINGS
Currency and symbol, date format, financial-year start, default GST / TDS / retention / labour-cess rates, number prefixes, project types, cost-code format.

LETTERHEAD
Organisation name, address, GST and PAN on every printed document.

Built for where project controls is going

Integra ProjectOS is upgraded on a published roadmap, so customers get these as releases — not re-implementations. The AI provider console (Google Gemini, Anthropic Claude, any OpenAI-compatible endpoint; bring-your-own-key with primary / fallback) already ships in product settings, ready for the Copilot layer.

**Integra Copilot**
Natural-language BOQ generation, variance explanations, contract and change-event intelligence — on your own AI key.

**AI Take-off & BIM 5D**
Quantities from PDF / DWG / IFC, drawing version compare, model-based quantities into the BOQ.

**Scheduling & ERP Connectors**
Two-way Primavera P6 / MS Project; Integra Finance, Tally, Zoho Books, SAP / Dynamics sync; webhooks.

**GST E-Invoicing & E-Way Bill**
IRN on RA bills and trade invoices; TDS / TCS registers; labour-cess returns.

**Mobile Field Capture**
Offline DPR, QA and HSE capture with photos and geo-tags, syncing to the same cost codes.

**Risk Simulation & Benchmarking**
Monte Carlo P50 / P80 cost and schedule confidence, contingency drawdown, cross-project norms.

Roadmap items are planned enhancements and are released progressively; timing is shared with customers under agreement.

Enterprise-Grade Foundation

Multi-Tenant Platform

Every record is scoped to its organisation; a disabled tenant blocks all of its users instantly. Super-admin console creates, edits, enables and disables tenants with plan, user and project limits. Cloud SaaS or on-premise.

Security

Signed JWT sessions, bcrypt password hashing, enforced minimum password strength, password-reset tokens by email, strong secret enforced at boot, cross-tenant access checks on every lookup, filename sanitising and path-traversal guards on uploads.

Roles & Permissions

Five role templates — Admin, Project Manager, Site Engineer, Accountant, Viewer — plus custom roles. None / view / edit / full across 23 modules. System roles are immutable; configuration endpoints are admin-only.

Audit Trail

Before / after values, user, entity, IP and timestamp on every change and every approval. Organisation-wide audit screen and per-record history for auditors.

REST API

340+ endpoints under /api/v1 with OpenAPI documentation, JSON schemas on every request and response, explicit CORS, and clean error mapping for integrators.

Operations

PostgreSQL 16 with versioned migrations, timestamped backups with retention, process supervision and SSL termination, documented restore procedure, health endpoint for monitoring.

Multi-tenant

Multi-currency

English • Arabic RTL

PostgreSQL 16

FastAPI • Next.js

Browser-based

REST API + OpenAPI

UAE / India data residency

Connects to Integra Finance • Ontrack ERP • WMS



Ready to see your **cost sheet** update itself?

Book a live demonstration with your own BOQ, a live contract and last month's RA bill. We will show you the budget generated from the BOQ, the commitment posted from the PO, and the EVM curve on your data.

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