

Mx-ERP

Enterprise Resource Planning Suite

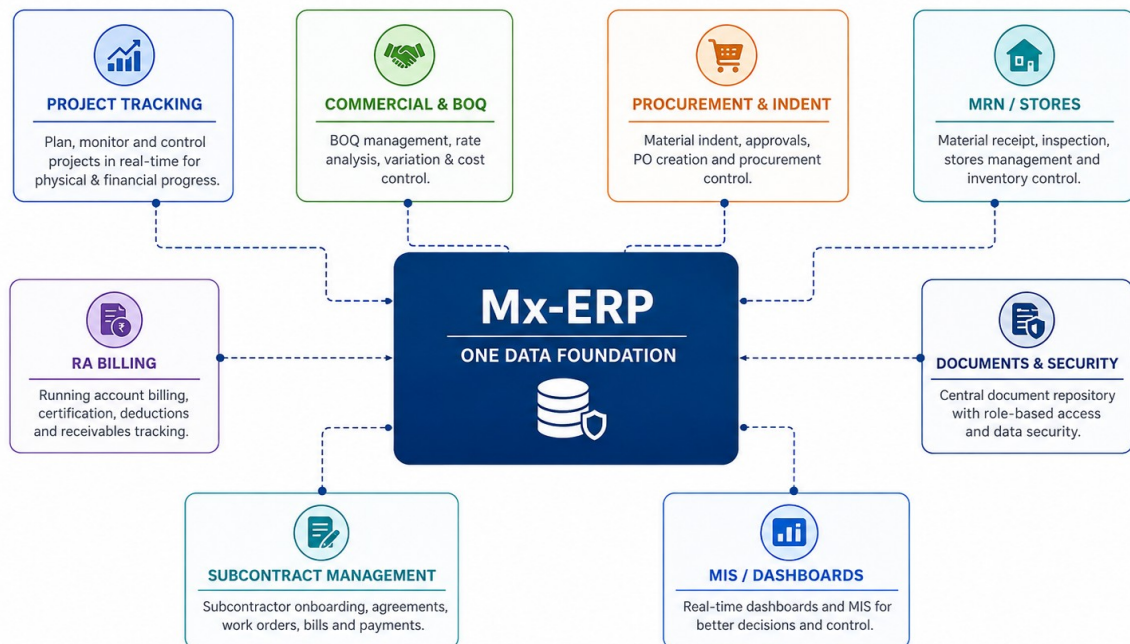
Control Projects. Control Materials. Control Billing. Control Profitability.

BUILT FOR

EPC • Construction • Real Estate & Infrastructure Developers • Fire & Safety Contracting

MX-ERP INTEGRATED MODULE ARCHITECTURE

One Platform. One Data Foundation. Complete Project Control.



OVERVIEW

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Mx-ERP is a project-centric ERP suite for EPC, construction and fire & safety contracting operations. It connects project execution, BOQ, material movement, RA billing and bank guarantees, so that commercial control becomes part of everyday working rather than a month-end reconstruction.

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The Mx-ERP Proposition

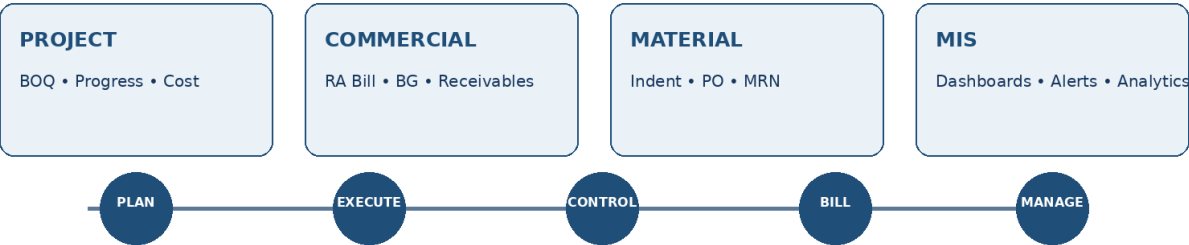
One platform. One data foundation. A single audit trail from indent to payment, and from measurement to collection — giving management real-time visibility of progress, cost, billing and exposure across every project.

SECTION 01

Why Mx-ERP

Mx-ERP

ONE INTEGRATED SYSTEM FOR PROJECT & COMMERCIAL CONTROL



Project businesses rarely lose money in one place. Margin leaks quietly — through unlinked spreadsheets, unbudgeted indents, late RA bills and untracked guarantees. Mx-ERP closes those gaps by design.

BUSINESS CHALLENGE	MX-ERP RESPONSE	MANAGEMENT OUTCOME
Disconnected project spreadsheets	Project, BOQ, progress and cost held in one system	Real-time project health
Material demand not linked to budget	BOQ and budget validation at the indent stage	Better material control
RA bills prepared late or manually	Digital measurement with automated RA billing	Faster billing cycles
Bank guarantees difficult to track	Central BG register with expiry alerts	Lower financial exposure
Receipt and invoice mismatch	PO – MRN – invoice three-way match	Purchase control
No single management view	Role-based dashboards and MIS	Faster, better decisions

SECTION 02

Integrated Module Architecture

Ten tightly coupled modules share one data foundation, so a transaction entered once at site flows through procurement, stores, billing and MIS without re-entry.

CORE MODULE	KEY CAPABILITIES	PRIMARY USERS
Project Tracking & Execution	Project master, BOQ, budget, schedule, DPR, progress, cost control	Projects / Management
Bank Guarantee Management	BG register, margin money, expiry alerts, bank limits	Commercial / Finance
RA Billing	Measurement book, RA bill, deductions, certification, receivables	Billing / Commercial
Material Indent	Site indent, approval, BOQ validation, indent-to-PO	Site / Purchase
MRN / GRN	Gate entry, receipt, inspection, shortage, three-way match	Stores / QA
Procurement	RFQ, quotation comparison, PO, amendments	Purchase
Stores & Inventory	Multi-store, issue, transfer, return, reconciliation, valuation	Stores
Subcontractor Management	Work order, subcontractor RA bill, material recovery	Projects / Commercial
MIS & Dashboards	Management dashboard, project health, cost, billing, BG, inventory	Management
Document Management	Drawings, certificates, invoices and BG copies against transactions	All Functions

SECTION 03

Project Tracking & Execution

Every project runs against a defined baseline — contract, BOQ, budget and schedule — so deviation is visible while it can still be corrected.

FUNCTION	WHAT MX-ERP DELIVERS	BUSINESS VALUE
Project Master	Contract value, dates, retention and advance clauses	Single project baseline
BOQ	Excel import, quantities, rates, deviations, revisions	Controlled scope
Budget	Material, labour, subcontract, overhead and plant heads	Cost baseline
Progress	Planned versus actual, milestones, DPR, S-curve	Delay visibility
Financial Progress	Work done, billed, certified, collected	Cash-flow visibility
Cost Control	Committed versus actual, variance, projected completion cost	Margin protection
Resources	Manpower, plant, hire and idle time	Resource visibility
Alerts	Overrun, delayed milestone, unbilled work, negative margin	Exception management

SECTION 04

Project Health — Management View

Five indicators tell management whether a project is healthy — and each one is derived from live transactions rather than a manually compiled report.

KPI	VISIBILITY
Physical Progress	Planned vs actual • % complete • slippage
Financial Progress	Work done • billed • certified • collected
Cost	Budget • committed • actual • forecast
Commercial	Bank guarantees • retention • receivables
Profitability	Estimated margin at completion

SECTION 05

Commercial Control — Bank Guarantees & RA Billing

Commercial exposure and revenue realisation are managed in the same system that records execution — removing the gap between what is built, what is billed and what is collected.

Bank Guarantee Management

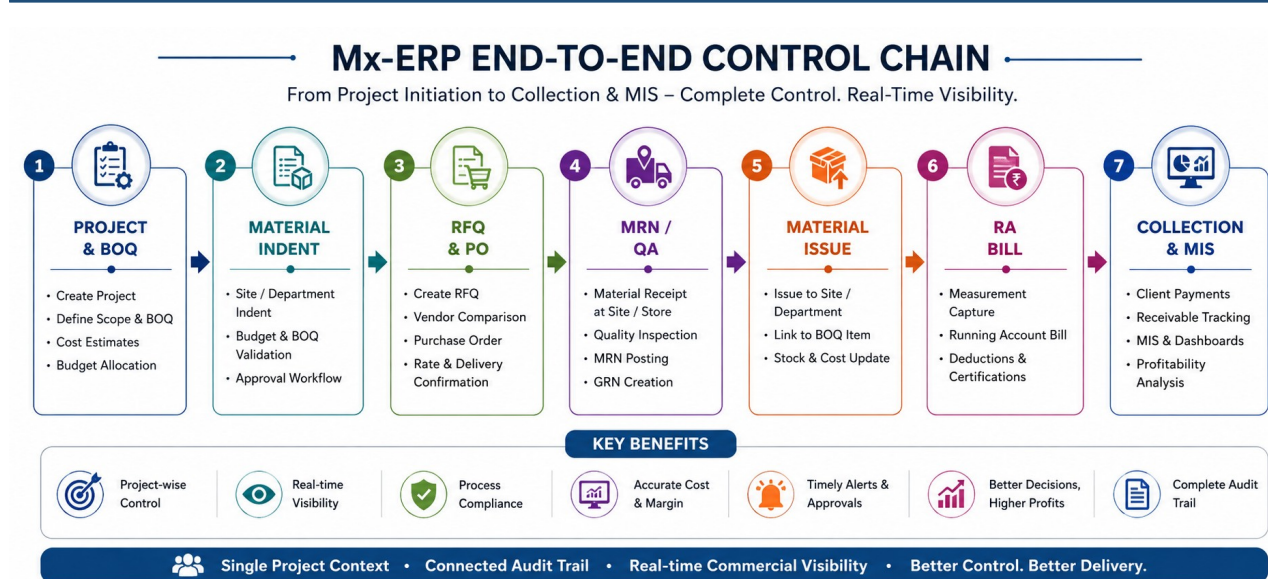
CONTROL	COVERAGE
BG Register	Issued and received BGs with unique references
BG Types	Advance, performance, EMD, retention-release, security deposit, mobilisation
Lifecycle	Request → issue → amend / extend → return → cancel
Expiry Control	Configurable reminder alerts ahead of expiry
Bank Limits	Sanctioned limit, utilisation and available headroom
Financial Exposure	Margin money, commission, charges and contingent liability

RA Billing

CONTROL	COVERAGE
Measurement Book	Digital MB against BOQ with cumulative quantity control
Bill Generation	Previous, current and up-to-date quantities
Extra / Deviation	Approval trail for non-BOQ and substituted items
Deductions	Retention, advance recovery, TDS, GST TDS, cess, penalties, debit notes
Certification	Submitted → certified → invoice → collection
Receivables	Bill ageing, retention due and client ledger reconciliation

SECTION 06

Material Control — From Site Demand to Stock



Material is validated against budget before it is ordered, matched against the purchase order before it is paid, and valued at landed cost once it is in stock.

STAGE	MX-ERP CONTROL	RESULT
Material Indent	Project and BOQ-linked demand with required-by date and specification	Controlled demand
Budget Validation	Budgeted versus indented versus received versus consumed	Avoids over-indenting
Stock Check	Availability across stores and sites	Transfer before purchase
Approval	Value and category-based multi-level workflow	Clear accountability
RFQ / PO	Approved indent converts directly to procurement	Faster processing
Gate Entry	Vehicle, challan and e-way bill details	Traceable inward
MRN / GRN	PO-based receipt with ordered, received, pending and excess	Accurate receipt
Quality	Accepted, rejected and deviation inspection	Quality control
Three-Way Match	PO + MRN + vendor invoice	Payment discipline
Inventory	Stock, valuation, landed cost and returns	Reliable stock position

MATERIAL FLOW

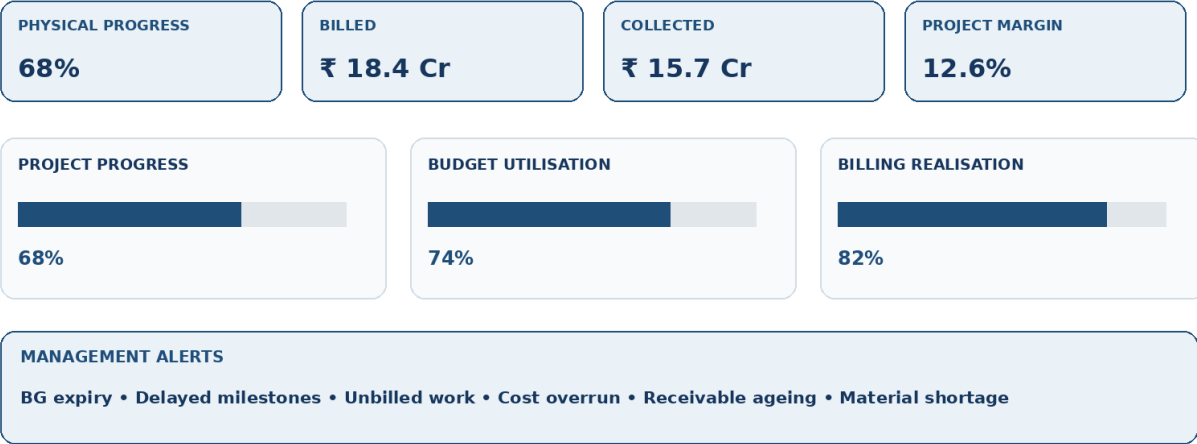
INDENT	APPROVAL	RFQ / PO	GATE ENTRY	MRN	INSPECTION	STOCK	ISSUE
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SECTION 07

Management Dashboards & MIS

Information is presented as decisions, not reports — each dashboard answers a specific management question.

EXECUTIVE PROJECT HEALTH — SINGLE-SCREEN VIEW



DASHBOARD	KEY INFORMATION
Executive Dashboard	Order book, work done, billed, collected and project-wise margin
Project Health Card	Physical progress, cost, billing, receivables and BG position
Cost Control	Budget versus actual by cost head and BOQ item
Billing & Receivables	RA bill status, certification, ageing and retention
BG Dashboard	Expiry calendar, outstanding BGs and contingent liability
Procurement	Indent pendency, PO pendency and supplier performance
Inventory	Store stock, slow and non-moving material, consumption versus BOQ
Vendor Performance	On-time delivery and rejection percentage

SECTION 08

Role-Based Visibility

Each user sees the data relevant to their accountability — and nothing else.

ROLE	TYPICAL FOCUS
CEO / Director	Portfolio, margin, billing, cash and BG exposure
Project Director	Project health, cost, progress and delays
Project Manager	BOQ, progress, material, billing and resources
Commercial Head	RA bills, certification, BG and receivables
Purchase Head	Indents, RFQs, POs and delivery
Stores / Site	MRN, stock, issues, transfers and consumption

SECTION 09

Technology, Security & Integration

PARAMETER	MX-ERP
Application	Browser-based, responsive web application
Deployment	Private cloud or on-premise server
Database	Enterprise-grade RDBMS with automated backup and point-in-time recovery
Security	Role-based access, maker-checker, field-level rights, audit log, SSL/TLS, password policy and two-factor authentication
Mobile Access	Responsive indent, approval, DPR and MRN screens; native app optional
Integration	Tally / Busy / SAP Business One, GST e-invoice and e-way bill, banking import, biometric attendance, REST API
Data Ownership	Customer data remains customer property; database export available

SECTION 10

Implementation Roadmap

A structured 14-week implementation, followed by four weeks of hypercare support.

PHASE	TIMELINE	KEY DELIVERABLES
1. Discovery & Blueprint	Week 1 – 2	As-is study, workshops, approval matrices, BRD
2. Configuration & Masters	Week 3 – 5	Company, project, item, vendor, tax and workflow setup
3. CRP & Gap Closure	Week 6 – 9	Conference room pilot, gap closure, reports
4. Data Migration & UAT	Week 10 – 12	Opening data, BOQ, POs, stock, BGs, user acceptance testing
5. Training & Go-Live	Week 13 – 14	Training, manuals, cut-over and go-live
6. Hypercare	4 weeks	Post go-live support, validation and handover

SECTION 11

Why Organisations Choose Mx-ERP

DIFFERENTIATOR	WHAT IT MEANS
Built for EPC	Project code, BOQ item and work order are first-class fields, not custom add-ons
Commercial Control by Design	BG expiry, retention release and unbilled work remain permanently visible
Site-First Usability	Processes designed for the realities of project sites and stores
Single Audit Trail	Indent to payment and measurement to collection are fully traceable
Integrated Operations	Project, purchase, stores, billing and MIS share one data foundation
Predictable Ownership	Transparent user pricing, standard support and product upgrades

SECTION 12

Ready for a Working Demonstration?

A demonstration can be configured around a sample EPC or fire & safety project, showing the complete flow from BOQ and material indent through MRN, RA billing, BG tracking and management MIS.

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