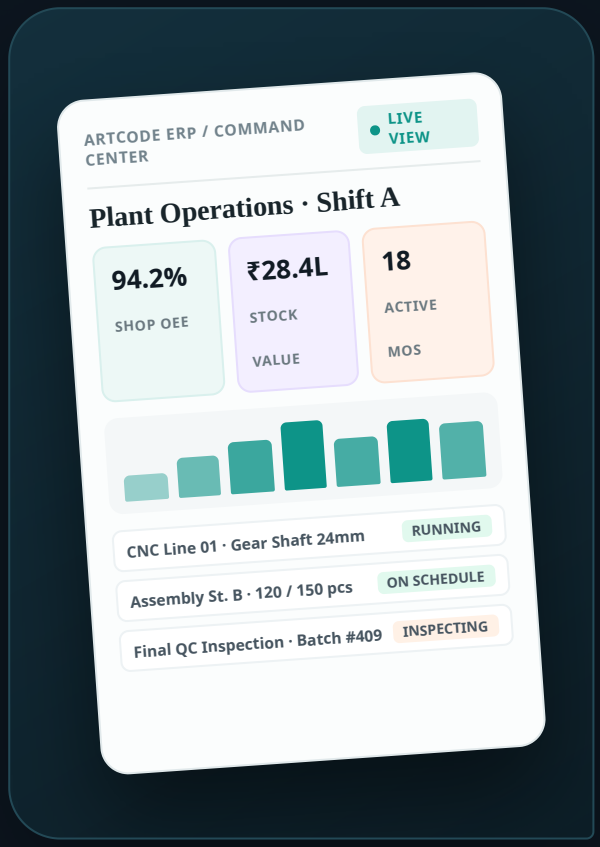
**Artcode ERP**
INDUSTRIAL OPERATIONS PLATFORM

Built for manufacturing teams

# Run the plant. See the whole picture.

One connected system for procurement, production, inventory, quality, sales, workforce and statutory finance.



ONE PLATFORM · 14 CORE MODULES

# Every team, working from one truth.

Artcode ERP brings the day-to-day operations of an industrial business into a single, permission-aware workspace — from first indent to final statutory return.

### Dashboard

Role-specific command center for plant heads and functional teams.

- Live plant KPIs, alerts and bottlenecks
- Quick actions tailored to job role

### Procurement

Control the complete procure-to-pay lifecycle with supplier checks.

- Indents, RFQs and multi-vendor comparison
- POs, gate passes, GRN and supplier bills

### Sales

Move from quote to dispatch with full commercial visibility.

- Quotations, sales orders and dispatch schedules
- E-way bills, tax invoices and customer returns

### Inventory

Know exact stock levels, lot numbers, valuations and bins.

- Multi-warehouse stock and aisle/bin mapping
- Batch & lot tracking, transfers and stock audits

### Manufacturing

Plan, release, and track shop-floor execution in real time.

- Multi-level BOMs and routing operations
- Material issues, work orders and shop job cards

### Quality

Enforce strict QA/QC inspection gates across the workflow.

- Inward GRN, in-process and dispatch inspections
- Hold management, rejection logs and CoCs

### Plant & Assets

Maximize equipment uptime and schedule maintenance cycles.

- Machine breakdown logs and preventive schedules
- Fixed asset registers, calibration and depreciation

### Human Resources

Manage shift rosters, biometric attendance and plant payroll.

- Employees, contractor rosters and shift rules
- Salary computation, PF/ESI and statutory dues

### Finance & Accounting

Keep operational transactions synced to ledgers automatically.

- General ledger, journals, debit/credit notes
- P&L statement, Balance Sheet and cost centers

### Banking

Real-time cash flow, bank reconciliation and payout tracking.

- Customer receipts, vendor payments and cheques
- Bank statement upload and auto-reconciliation

### Reports & Compliance

Turn live plant data into executive-ready insights and tax filings.

- GSTR-1, GSTR-3B, TDS and E-Way integration
- OEE, scrap analysis, debtor aging and margins

### Administration

Configure permissions, multi-branch control and audit safety.

- Granular RBAC roles and user access controls
- Full audit log tracking every save and edit

### Masters

Standardized foundation for clean enterprise operations.

- Customers, vendors, warehouses and branches
- HSN/SAC codes, price lists and payment terms

### Products

Item master definitions, specifications and drawings.

- Finished goods, raw materials, WIP and tools
- BOM recipes, revisions, UOMs and part codes

## One connected operating model.

Every transaction leaves an audit trail — and every department receives the exact operational context required to take immediate action.

FROM REQUEST TO RESULT

# Workflows that follow the way work happens.

Connect the hand-offs between teams so nothing gets lost between the shop floor, stores, procurement, sales and finance.

01 / PLAN

### Demand to indent

Trigger material indents from sales forecasts, minimum reorder thresholds or manufacturing order material requirements.

02 / SOURCE

### RFQ to receipt

Float RFQs, compare supplier quotes, issue approved POs and receive goods via Inward Gate Pass with QA inspection holds.

03 / MAKE

### Batch to job card

Issue lot-controlled materials, track multi-stage machine operations, log scrap and rejections, and produce finished goods.

04 / DELIVER

### Order to collection

Generate dispatch gate passes, print GST e-invoices with e-way bills, and trace receivables directly to bank reconciliation.

## Built for operational control

The platform makes the status of work explicit, supports role-based actions and keeps critical decisions close to the transaction.

- ✓ Role-aware screens for plant, stores, procurement, sales, quality, HR and accounts
- ✓ Approval-led workflows for indents, purchase orders, quality releases and finance
- ✓ Batch, lot and document traceability across inventory and production
- ✓ Print-ready documents for orders, receipts, material issues, production and sales

## What leadership can see

**01** One unified view of sales demand, inventory, WIP and cash position

**02** Real-time OEE, machine availability and work-center performance

**03** Product margins, customer receivables, inventory aging and tax dues

**04** Actionable exception alerts — eliminating manual status spreadsheets

MANAGEMENT VISIBILITY & DEEP ANALYTICS

01 / PRODUCTION

### OEE & Scrap Analytics

Real-time machine availability, throughput and scrap rates by work centre.

- Hourly output vs target
- MTBF & downtime logs

02 / QUALITY

### QA & Traceability

Defect tracking from raw material lot to customer dispatch.

- First-Pass Yield (FPY)
- Rejection Pareto & CoCs

03 / SUPPLY CHAIN

### Stock & Aging Control

Multi-warehouse inventory valuation, batch runouts and turnover ratios.

- Dead & slow-moving stock
- Reorder runout warnings

04 / FINANCIALS

### Costing & Compliance

Linkage between shop-floor execution, actual margins, and taxes.

- BOM standard vs actual cost
- GSTR-1, 3B & TDS registers

## Operational Drill-Down & Instant Exports

Every report enables 1-click drilldown from plant-wide summary down to the individual job card, lot number, machine downtime incident, or journal voucher.

- **1-Click Excel / CSV / PDF**
- **Audit-Ready Period Closes**
- **Automated Alert Rules**

OUT-OF-THE-BOX REGISTERS

**Machine Downtime MTTR** · **Lot Genealogy Tracker** · **Debtor Aging 30/60/90** · **GRN Inspection Hold Log** · **WIP Valuation by Stage** · **Job Card Variance**

ABOUT THE PROJECT

# A practical digital backbone for industry.

Artcode ERP is designed to replace disconnected registers, spreadsheets and hand-offs with one shared operating system for the business.

## What the project is about

The project brings core industrial operations into a unified, role-based web application. It connects the commercial cycle, material movement, shop-floor execution, quality controls, people processes and statutory finance — so teams can work from the same facts and leadership can see the full operating picture.

### Designed for companies that

- ✓ Manage raw materials, lot/batch numbers, or multi-stage fabrication & assembly
- ✓ Require tight coordination between stores, purchasing, plant floor and quality
- ✓ Need sales dispatch and inventory consumption to feed automatically into finance
- ✓ Are moving away from manual registers, paper approvals or fragmented tools
- ✓ Need complete audit traceability and compliance without slowing daily work

### How the system creates value

**01** **Connects data**
A single transaction flow carries context across all departments.

**02** **Controls execution**
Role assignments and approval gates make accountability clear.

**03** **Improves decisions**
Instant reports highlight bottlenecks, scrap trends and margin impact.

**04** **Scales with you**
Modular architecture grows smoothly from 10 to 500+ users.

PROJECT PRINCIPLES

01 / CLARITY

### One source of truth

Every department sees the identical item code, inventory balance, status and financial impact.

02 / CONTROL

### Traceable by design

Every material movement, inspection decision and ledger posting has a clear author and timestamp.

03 / ACTION

### Built for the day-to-day

Keyboard-friendly workflows and focused screens ensure shop-floor operators record work quickly.

TYPICAL USER ROLES

- Plant Head
- Production Officer
- Store Head / Keeper
- Procurement Officer
- Quality Manager
- Sales Officer
- Accounts & Finance
- HR & Compliance

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DEPLOYMENT & ROLLOUT

# Make every hand-off count. Built for modern industry.

Bring your plant onto one synchronized operating rhythm — with full operational visibility, rigorous quality control, and the peace of mind to scale.

### Flexible Deployment

Deploy on high-availability private cloud or host on-premises inside your plant with automated local backup routines.

### Security & Audit Logs

Granular role-based access control (RBAC), encrypted JWT sessions, and tamper-resistant change history for every record.

### Statutory & Hardware Ready

Direct integration with GST e-invoicing & e-way bills. Compatible with thermal label barcode printers and barcode scanners.

## Fast-Track Implementation Timeline

TYPICAL 4-WEEK PLANT ROLLOUT

**WEEK 01**
**Discovery & Data**
Import item masters, BOM structures, suppliers and customers.

**WEEK 02**
**Configuration**
Map approval gates, warehouses, tax rates and custom print layouts.

**WEEK 03**
**Operator Training**
Role-specific hands-on walkthroughs for shop floor, stores and accounts.

**WEEK 04**
**Go-Live & Support**
Live parallel run, floor transition assistance and management dashboard kickoff.

| 99.9% | 100% | 0 Paper | < 30 Days |
|---|---|---|---|
| OPERATIONAL UPTIME | GST & AUDIT TRACEABLE | DIGITAL SHOP-FLOOR LOGS | AVG. PLANT GO-LIVE |

CONNECT YOUR PLANT

## Experience Artcode ERP in action.

Let us walk you through a tailored demonstration matching your specific plant workflows, bill of materials hierarchy, and quality gates.

**Request a plant walkthrough →**

DIRECT ENTERPRISE INQUIRIES

Email: **artcodepvtltd@gmail.com**

Support: **Dedicated Plant Onboarding SLA**

Platform: **Artcode Industrial ERP**

Scan or write to schedule a guided plant walkthrough