



## OXMAINT

Driving Predictive Maintenance & Operational Excellence



Seamlessly deployed inside PSU infrastructure — no cloud dependency.

Trusted across metals, process manufacturing, cement, and critical heavy-equipment industries.

AI + SAP + IoT + On-Prem Hardware = One Intelligent Maintenance Platform



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[www.oxmaint.com](http://www.oxmaint.com)



# MANUFACTURING 6.0 PLATFORM FOR RAIL & STEEL OPERATIONS

Powered by Oxmaint AI — Predict. Optimize. Maintain.



## ABOUT US

### AI-Driven Reliability for India's Largest Rail Manufacturing Unit

Oxmaint AI is an on-premise AI maintenance and operations platform engineered for heavy industries such as steel, metals, and rail manufacturing.

With predictive intelligence, automated PM planning, and SAP-integrated execution workflows, Oxmaint ensures high-throughput units like URM eliminate unplanned downtime and stabilize energy-intensive processes.





## CORE CAPABILITIES AT A GLANCE



### Predictive Maintenance — Powered by On-Prem AI

- Predict failure of rolling stands, roughing mills, and furnace systems
- AI models trained for steel temperature stability & energy curve deviations
- Early detection of bearing, roller, gearbox, and hydraulic failures



### Work Order & Maintenance Execution

- Create, assign, track, and close Work Orders digitally
- Real-time technician updates
- SAP-compatible workflows



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### Digital Inspections

- Preventive, breakdown, safety, and shift inspections
- Photo/video logs
- Automatic fault → Work Order conversion



### Furnace & Process Optimization

- Energy deviation detection
- Temperature drift prediction
- Minimized scale loss & enhanced rail quality



**CONNECTED OPERATIONS | ZERO UNPLANNED  
DOWNTIME | 24/7 VISIBILITY**



## Why Choose Oxmaint

- ✓ Designed for steel & heavy industries
- ✓ On-premise setup ensures total data sovereignty
- ✓ Fast 10-day onboarding
- ✓ Seamless SAP integration
- ✓ AI models built for furnaces, rolling & energy-intensive processes
- ✓ Reduces manual reporting by 70%
- ✓ PSU-friendly deployment & audit transparency

# Key Benefits for Fleet Operators

## 1 Seamless Work Order Management

- Full digital lifecycle: creation → assignment → execution → closure
- Auto-link findings from inspections
- Performance insights by shop, asset, and technician

## 2 Structural Reliability Monitoring

- Rolling stand vibration health tracking
- Temperature, hydraulic, and motor load analysis
- Predictive alerts for abnormal wear patterns

## 3 Digital Shift Handover System

- Standardized format
- Operator notes, active WOs, critical alerts
- Reduces communication gaps between shifts

## 4 Asset Inventory & Lifecycle Management

- Maintain spares & consumables
- Failure-history database
- Predictive spare usage planning

## 5 Technician Mobile App

- Captures field data instantly
- Photo/video fault logs
- Step-by-step digital job plans & SOPs

## 6 Billing, Cost & Approval Audits (Optional)

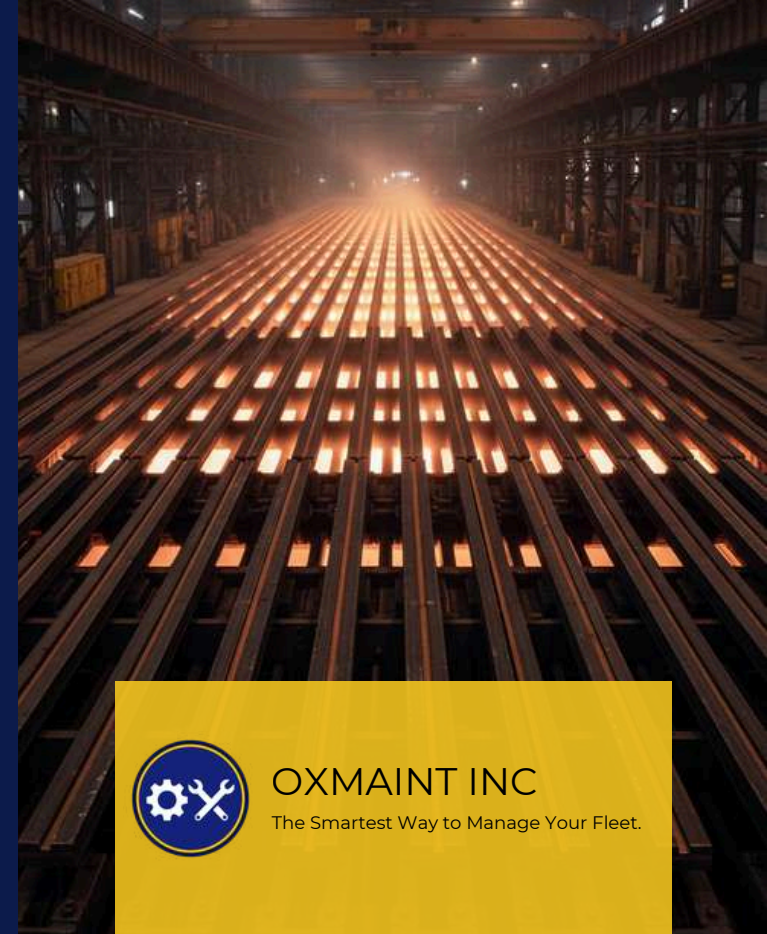
- Maintenance cost trend analytics
- Automatic approval workflows
- Preventive plan vs actual cost deviation

## Smart Integrations

- PLCs & Industrial Automation
- Condition Monitoring Systems
- Historian & SCADA Platforms
- Process Control & Furnace Instrumentation
- ERP & Maintenance Systems
- Technician Tools & Field Instruments
- Databases & Industrial IT
- Security & Identity
- Alerts & Enterprise Communication



Scan QR Code & Schedule a Demo



OXMAINT INC

The Smartest Way to Manage Your Fleet.

# AI-Driven Maintenance for High-Throughput Operations.





## CONTACT US



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## WHY INDUSTRIAL LEADERS CHOOSE OXMAINT AI

- Fully on-premise AI – No cloud dependency
- Fast deployment inside PSU rules
- 100% mobile-enabled for field teams
- Designed for steel & metal plant complexity
- Supports SEVEN inspection types (Safety, Breakdown, PM, Audit, Furnace, Rolling, Energy)
- Predictive alerts trained on heavy-industry patterns

## ABOUT US

Oxmaint AI is a next-generation Manufacturing 6.0 platform, engineered to eliminate downtime, stabilize energy-intensive processes, and transform maintenance execution at high-throughput units like SAIL's Universal Rail Mill.

Our platform digitizes inspections, automates preventive maintenance, integrates workshops, and provides predictive intelligence over your most critical assets.

### Trusted by the World's Most Demanding Industrial Plants

Predictive insights that prevent failures before they happen.

One platform for reliability-centered maintenance.



## BENEFITS PROVEN IN REAL INDUSTRIAL DEPLOYMENTS

- 📊 42% Breakdown Reduction
- 📈 37% Increase in PM Compliance
- 📉 28% Lower Maintenance Costs
- 📊 31% Faster Work Order Turnaround
- 📉 22% Energy Optimization in Furnace Operations

(Actual values based on deployments across manufacturing & metals industry)

