Data Sakshi
PQSI Digital Private Limited

StatPort

Certainty & Success in Industry 4.0

Industry 4.0 with IT - OT Convergence
IoT Edge to Enterprise with Advanced Analytics
Industrial AI - Home Grown & World Class



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Introduction

Monetizing Industrial Data

Manufacturers have always invested in data, from digital sources and from human effort. Yet real insight is still in short supply. Why?

Plants run on machines, gauges and sensors from different generations, and each leaves behind its own silo of data. The result: teams spend 80% of their effort managing data and only 20% actually solving problems and improving.

StatPort flips that ratio. It turns scattered data into opportunity, so your teams can focus on profit. From data to profits, on one platform.

Industrial IoT

StatPort ingests large volumes of mixed data, turns raw signals into readable logs, applies algorithms, and delivers actionable insight to the right person in real time. Then it goes one step further: it validates corrective actions, so improvements stick and show up on the bottom line.

Built ground up for industry and proven on the shop floor, our algorithms work with industry-standard data protocols.

Heavy data payloads move on a minimal Edge-Server footprint, on premises, hosted or in the cloud.

Trusted by the Best

Ashok Leyland, ACWA, Amar Raja - Mangal, Aqua Flow, Armoured Vehicles, Birla Ultratech Cements, BHEL, Brakes India - Showatech, Hyundai, Indian Metal One, Perfect Engineers, Pricol Limited, Sansera & more

About Us

Data Sakshi (formerly PQSI Digital Private Limited) is an industrial data company founded in 2018. Our flagship product, StatPort, delivers Industry 4.0, advanced analytics and Industrial AI.

32 MILLION

Data points / day

High volumes of data with minimal IT setup

300

Data points / sec

Powerful edge computing, on prem or cloud

5 TIER

- IoT - Edge - Apps
- Data Services
- Big Data
- OLAP
- Industrial AI

50+

Active deployments with leading manufacturers

70% savings from Traditional IT Infrastructure with StatPort

Your Roadmap to Industry 4.0

Paperless

₹1,000 saved on every sheet of paper eliminated

1

Go paperless and take control of your data. Digital documents adapt to production variants and respond to live operating status, while workflows automate routine tasks for full visibility and compliance.

IoT Integration

Reduce data entry - Early detection of defects & losses

2

Bring every OT stream into one data logger. Eliminate dark data and get reliable, real-time insight. StatPort connects to CNC, PLC-SCADA, historians, hoppers, measurement systems, sensors and gateways, power drives, BLE-RFID and ERP.

Convergence

1.8–2.0% gain in Productivity, every month

3

Converge manual (IT) and machine (OT) data streams into big data logs in real time. Algorithms on the logs deliver actionable insight as tickets, targeted to the right people, and workflows track every step from data to action to outcome.

Industrial AI

From Early Detection to Prevention & Optimisation

4

Converged IT-OT data is fertile ground for Industrial AI. Harvest the outcomes: forecasts, predictions, anomaly detection, root cause analytics, recommendations, conversational AI bots and agentic AI.

Ask for our ROI Calculator to know possible outcomes from the Roadmap

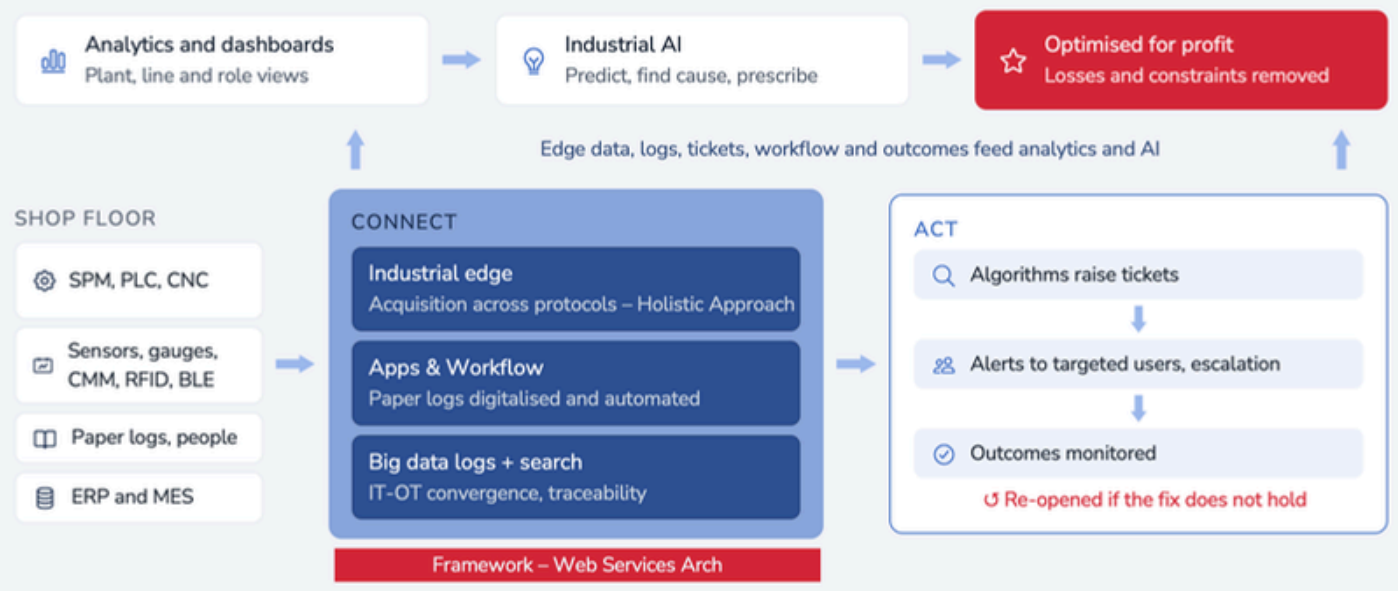
Industrial Data Management

IoT for Gen 4, 3, 2 & 1

1. Gen 4: plug in, data logs ready
2. Gen 3: standard adapters
3. Gen 2: needs IoT hardware upgrade
4. Gen 1: start with sensors & relays

Industrial Edge

- Supports 13+ industrial protocols
- Parses large data payloads
- Translates & transports in real time
- Resilient on industrial networks



Architecture for IT - OT Convergence

Data Pipelines

- RESTful web APIs for data services
- Edge to big data
- Big data to OLAP
- 100% API-based architecture
- Secure edge-to-enterprise integration

Edge Management

- Monitor edge for changes
- Keep framework & edge in sync
- Monitor industrial networks
- Monitor deployed servers
- Track web services performance

IT-OT separation built in, for security & compliance

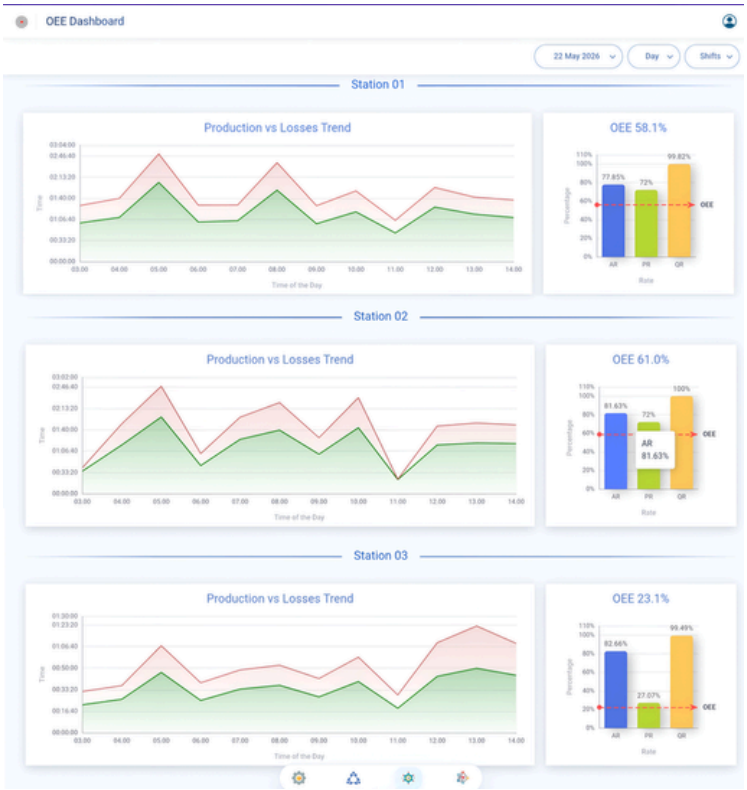
Palm Pro - Digitalization

Apps

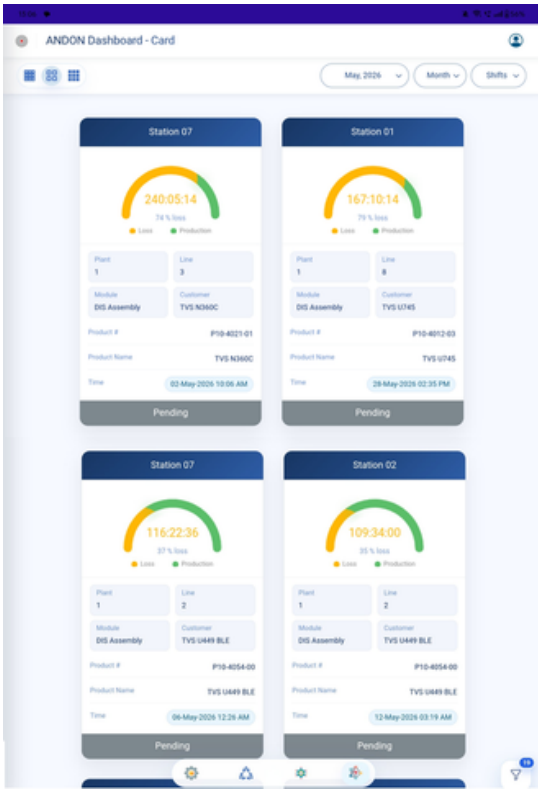
- Replace paper with digital templates
- Centralise change management
- Generate audit-ready evidence
- Retrieve any record in seconds
- Automate operation sequences

Documents

- Manage data in one framework
- Compose new documents
- Modify existing documents
- Update data properties
- Make change management easy



Work Center Productivity - Real Time



Real Time Production Monitoring

IT - OT Convergence

- Turn OT data into insight
- Checksheets integrated with IoT
- Handle process & product variants
- Capture constraints & losses reliably
- Blend human and machine input

Palm Port

- Companion app for StatPort
- Mobility for deskless workforce
- Monitor processes on the move
- Receive alerts, monitor escalations
- Assign tasks, Manage calendars

INR 350 Cr mid sized manufacturing can save INR 3.5 Cr from Digitalization

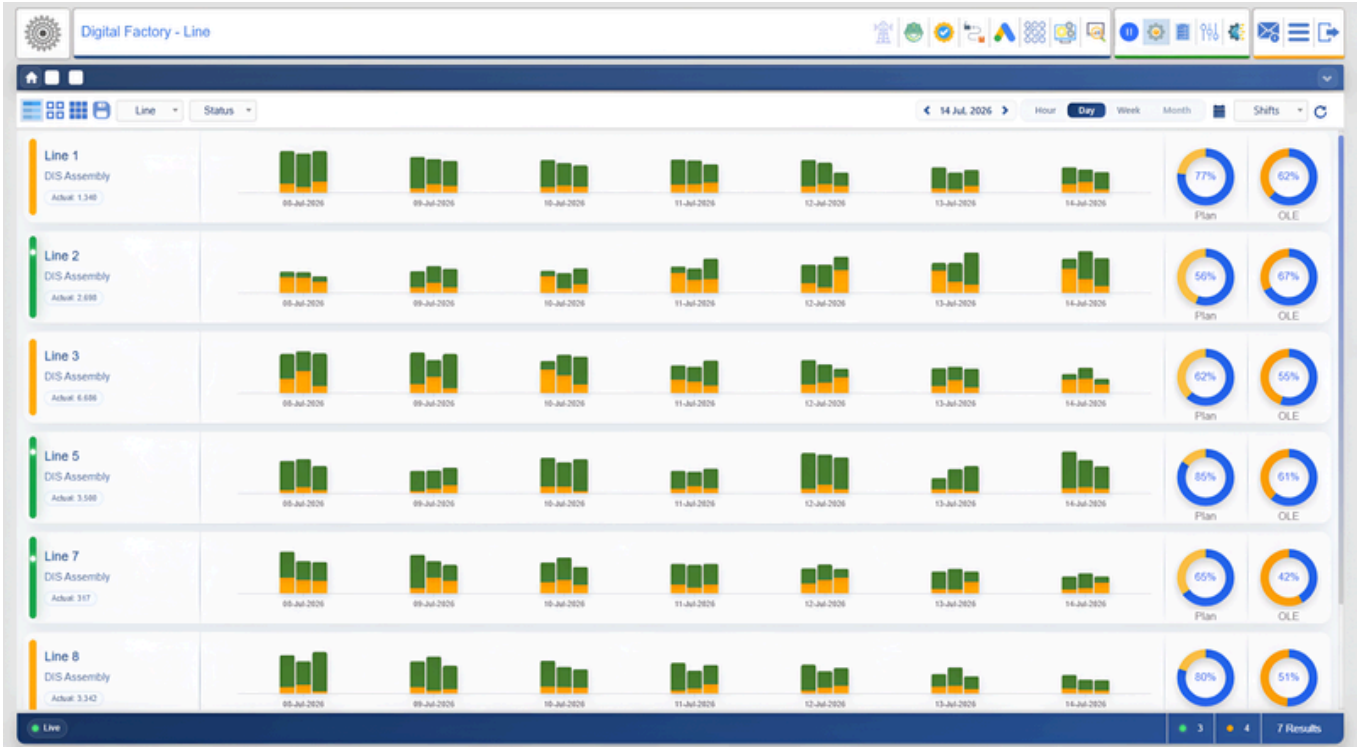
Total Productivity

Plans & Constraints

- Integrate with ERP to track costs
- Capture constraints in real time
- Re-prioritise and reallocate fast
- Monitor plan vs actuals live
- Track variable costs with IoT

Visibility

- Real-time visibility across sites
- Every work centre and process
- Digital job cards & route cards
- Spot and resolve bottlenecks
- Traceability search engine



StatPort Digital Factory Dashboard - Live Status, Production Trends, Efficiency, Effectiveness & Quality

OEE & OLE

- Pinpoint cycle time losses
- Track and resolve every loss
- Map to availability & performance
- Capture quality via IoT
- Holistic OEE: AR, PR, QR

Yield

- Integrate material feeds
- Automate BoM checks with ERP
- Track common process losses
- Flag abnormal consumption
- Monitor yield in real time

ROI: 1.8 - 2.0% OEE gains, every month

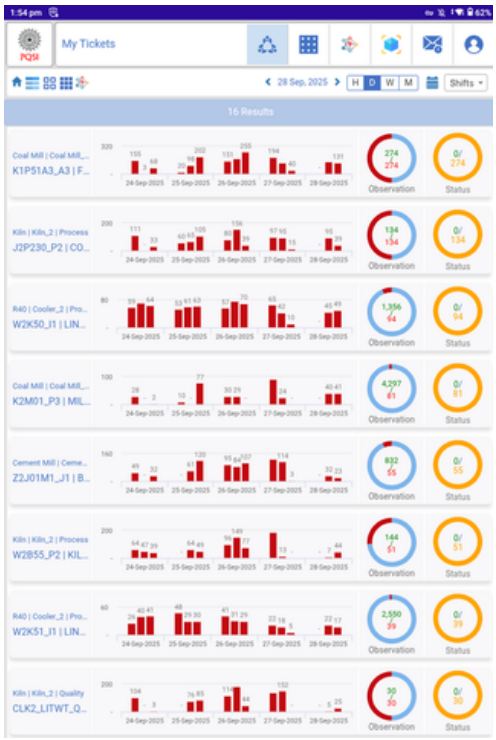
Smart Quality

Digital Check Sheets

- Go paperless with apps
- Change & version control built in
- Workflows automate quality plans
- Plan, track & control by calendar
- Traceable, searchable archives

Statistical Control

- Track stability & capability
- Allocate CAPA, auto or manual
- Find root cause with 4M
- Monitor CAPA until it sticks
- Build institutional memory



Palm Pro App - Process Monitoring



Smart Quality - Live Status, Heat Map, RCA, 4M & Impact of Problem Solving

Process Monitoring

- Integrate with PLC & SCADA
- Flag issues early with ML
- Detect anomalies automatically
- Trace every batch and grade
- Holistic OEE: AR, PR, QR

Telemetry / IoT

- Digital control plans & sampling
- Incoming, in-process, SFG, EOL
- IoT: air gauges, handheld, CMM
- Barcode, QR, RFID & BLE support
- Track rework, rejections, approvals

Early detection of issues, Improved focus on Problem Solving = Smart Quality

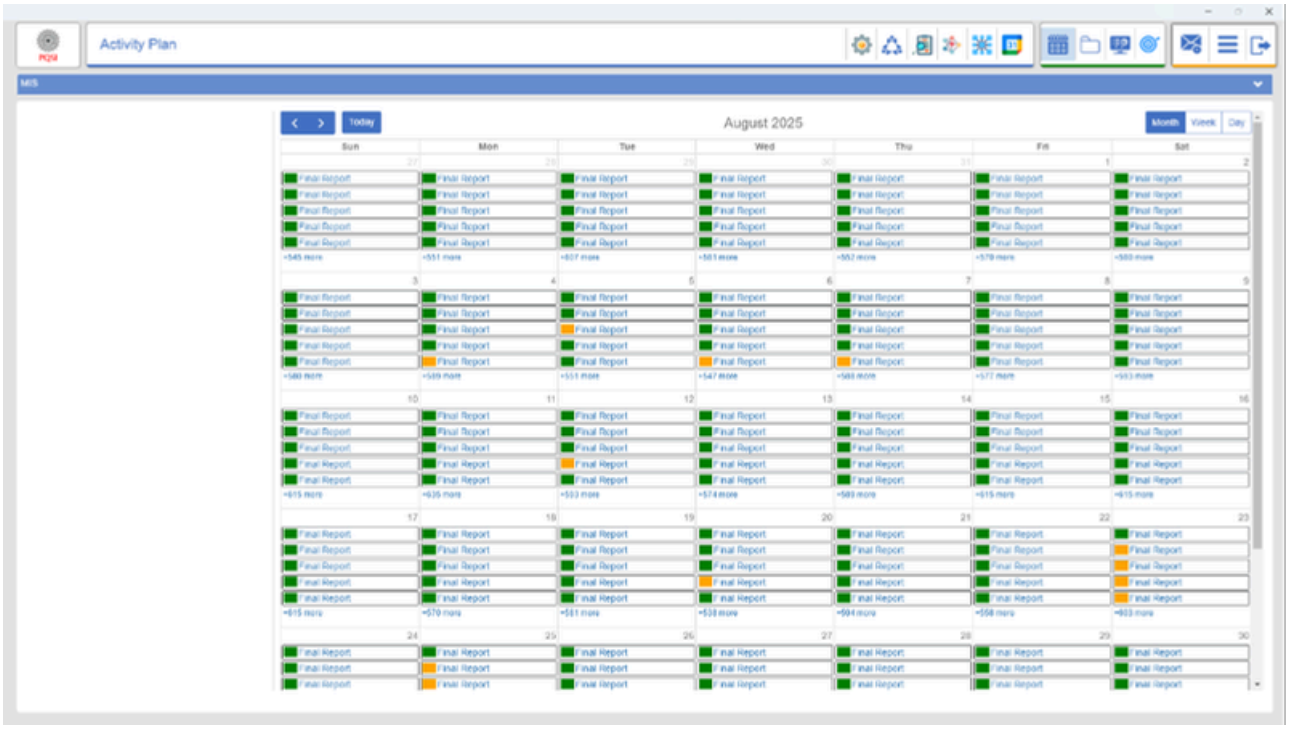
Workforce & Workflow

Task Management

- Automate task workflows
- Allocate in orchestrated steps
- Let StatPort auto-allocate
- Assign by supervisor or self-service
- Plan with workforce calendars

Workflow Automation

- Compose routines into workflows
- Log activities as digital evidence
- Build workforce logs automatically
- Monitor compliance, built in
- Move from subjective to system



Industrial Activity Management - Calendars with Workflow Automation

Workforce Analytics

- Built for industrial tasks
- Track work cells
- Measure patrols & responsiveness
- Track productivity & problem solving
- Map skills & learning

Deskless Workforce

- Analytics for users on the move
- Data delivered as tickets
- Targeted to each role
- AI-driven root cause analysis
- AI-recommended actions

Real Time insights from Industrial Data Sources transform Manual Workflows

Industrial AI & Advanced Analytics

Leadership Cockpit

Stat II (StatPort Intelligence & Insights) uncovers trends, evaluates performance and supports decisions. Built on our data convergence core, it unites enterprise and edge data in world-class dashboards.

Conversational AI

Ask in plain language, get analytics back. Stat GPT brings industrial and enterprise data into a big data lake and vector database, putting insight in everyone's hands without the cost of cloud computing.



Stat GPT - Conversational AI Agent - Works with StatPort - Instant Access to Insights

Causal & Prescriptive AI

Stat AI: a handpicked, home-grown suite of machine learning and deep learning models for industrial use cases: forecasting, prediction, anomaly detection, causal and prescriptive AI.

Agentic AI

Stat Smith: 24 Industrial AI agents, orchestrated by a robust deep learning model, work across your value stream to find constraints, optimise outcomes and lift revenue and profit.

AICTE Grant Winner for Sovereign AI

Assets & Predictive Maintenance

Maintenance

- Digitise PM schedules
- Capture downtime with IoT
- Track MTTR & MTBF live
- Link spares & costs to ERP
- Move from preventive to predictive

Asset Life

- Track asset life vs use with IoT
- Prevent errors with poka-yoke
- Apply pre-emptive controls
- Run service workflows
- Analyse wear & remaining life



Transform from Preventive to Predictive Maintenance

Calibration

- Run measurement system analysis
- Conduct gauge R&R studies
- Manage gauge issue & return
- Track every gauge
- Automate calibration workflows

Tracking & Location

- IoT asset identification
- Passive ID: barcode, QR code
- Active ID: RFID, BLE
- Live location of critical assets
- Ownership, rule-based monitoring

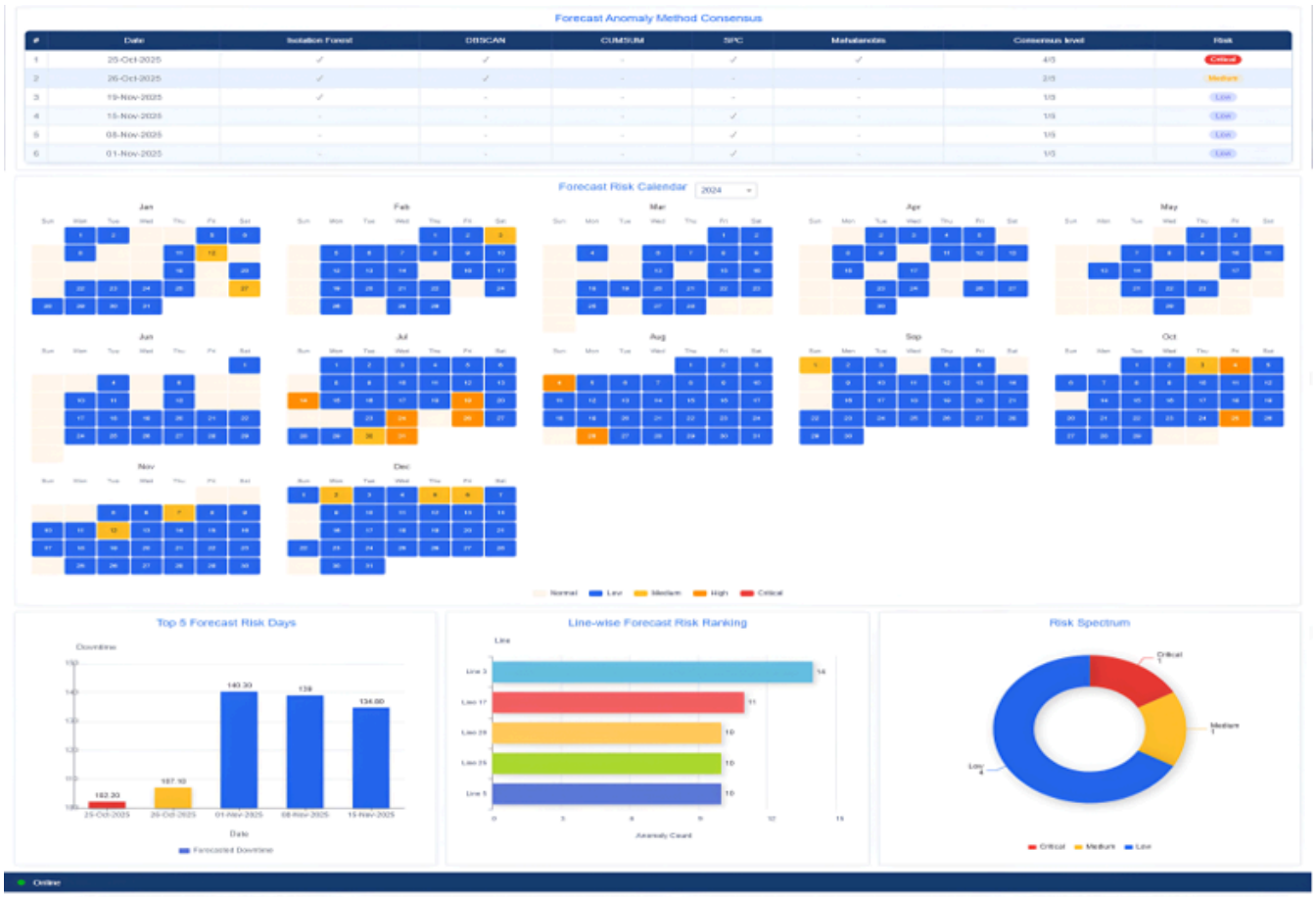
Predictive maintenance cuts downtime by up to 60%

Stat AI - Root Cause

We have built AI models that are specific to Industrial Use Cases and are fine tuned to the nature of Industrial Data Streams. We use orcehstration methods to choose the best models to fit the data and achieve greater confidence.



Anomaly Detection with Stat AI - For Production, Quality, Yield & Maintenance



Forecast calendar: day-by-day risk predictions, ranked by cause. Transform from scheduled to adaptive maintenance, investing your best skills exactly where they are really needed. Our Prediction models are available with and, without condition monitoring.

Transparent view of confidence level in forecasts & anomalies

Partners

At Data Sakshi, growth is driven by a relentless focus on product. But customer success in Industry 4.0 takes end-to-end solutions and real value add. That's why we partner closely with the best names in digital manufacturing: together we deliver outcomes, so you can focus on the bottom line.

BIM TRICHY

Artificial Intelligence
Operations Research
15+ Years in AI

PRICOL LIMITED

Strategic Investor
Strategic Partner
SAP & Industrial IT Consulting

KG ENGINEERING

IoT Upgrades
PLC Hardware, Software, Sensors
20+ Years of Experience

IQC AIS

Advanced Robotics
Physical AI
Over 80 million parts inspected

INNOVATIVE AUTOMATION

Dimensional Metrology
IoT Interfaces for CNC Machines
Tenure: 30+ years

BOMBAY TOOLS

Precision Measurement Devices
#1 Mitutoyo Dealer
Tenure: 80+ years