

STOP WAITING FOR EQUIPMENT TO BREAK

Predict failures before they impact production

AI learns each machine's health pattern and warns you while there is still time to plan.

The Problem

- ✗ A critical machine stops without warning
- ✗ Production halts — emergency repair costs explode
- ✗ Maintenance happens only after the breakdown
- ✗ Lost time, lost revenue, avoidable chaos

With PlantWiz AI

- ✓ AI learns your equipment's health patterns
- ✓ Degradation detected weeks in advance
- ✓ Repairs scheduled in planned downtime
- ✓ Zero emergency repairs, zero surprise stops

WHAT YOU GET

- ▶ Failure prediction 4–6 days ahead
- ▶ 60–80% fewer emergency repairs
- ▶ Detect anomalies with AI-powered diagnostics
- ▶ Maintenance planned, never reactive
- ▶ Longer equipment lifespan
- ▶ Models tuned to your machines

01 MONITOR

Health tracked 24/7

02 DETECT

Degradation patterns

03 ALERT

Warned days ahead

04 FIX

Repair when planned

05 SAVE

No emergency spend

CUSTOMER RESULTS — FIRST YEAR Indian manufacturing deployments

2 of 3

Typical Failures Prevented

Up to 90%

Annual Cost Savings

25–30%

Better Equipment Uptime

9–12

Months to ROI

AUTO DIAGNOSTICS & RECOMMENDATIONS

Fault type, risk level and the exact corrective action — generated automatically.

Root ADR Medium Risk						
Asset Name	ADR Status	ADR Medium Timestamp	Medium Since (Days)	ADR Fault	Diagnostic	Recommended Actions
NPIC_1_PLANT_B_TRAIN Fines Conveyor Motor	Medium Risk	5/Aug/2026 00:00:06	Today	Structural Looseness	Motor DE, Motor NDE Structural Looseness Risk Level: Medium Pattern of structural looseness fault observed at lower side amplitude. The synchronous energy at 1x of running speed slightly increased in horizontal direction. Most likely the structural looseness fault is diagnosed.	Motor DE, Motor NDE Structural Looseness Closely monitor the overall vibration trend for any significant increase. Reinforce the mounting and improve stiffness. Check the looseness of mounting bolts, failed grout or cracks in concrete bases, cracks or other forms weakness in machinery mount, base plates and hold down bolts etc. in upcoming maintenance cycle. Also, check the tightness of foundation bolts, in upcoming maintenance cycle.

HOW PLANTWIZ WORKS

From sensor signal to a work order your team can act on the same shift.

01 SENSE

Vibration, temperature, current, pressure and flow — read from the sensors already mounted on your machines.

02 CONNECT

Modbus · OPC-UA · MQTT · RS-485 · REST API. PlantWiz speaks the protocols your plant already runs on.

03 ANALYSE

Edge AI/ML validates data quality, runs FFT and anomaly models, and learns each machine's own normal.

04 ACT

Fault type, severity, root cause and the corrective action — in maintenance language, not data-science language.

WHAT PLANTWIZ DETECTS

Slow-progressing faults that fixed threshold alarms in SCADA and PLC never catch.

- ▶ Bearing defects — race, ball, cage
- ▶ Soft foot
- ▶ Rotor bar & electrical faults
- ▶ Imbalance
- ▶ Gear mesh & tooth wear
- ▶ Lubrication failure
- ▶ Shaft misalignment
- ▶ Belt & coupling faults
- ▶ Resonance
- ▶ Structural looseness
- ▶ Cavitation & flow instability
- ▶ Thermal drift

INSIDE PLANTWIZ

Asset Health Score

A 0–100 score per machine with its full history. See what is quietly degrading months before it stops.

Trend + FFT in One View

Velocity, acceleration and temperature trends beside the frequency spectrum. No export, no separate analysis software.

Auto Diagnostics & Recommendations

Every alert carries fault type, risk level and the exact corrective action — timestamped and traceable to closure.

Remaining Useful Life

Days to warning, days to critical. Maintenance moves from calendar intervals to evidence.

Plant → Area → Machine → Sensor

Hierarchical drill-down with search. The operator always knows what they are looking at.

One-Click Reports

Audit-ready exports from 24 hours to 2 months — whole facility, one area, or a single machine.

FITS THE PLANT YOU ALREADY HAVE

ASSETS

Motors · Pumps · Fans & Blowers · Gearboxes · Compressors · Bearings · Conveyors

INDUSTRIES

Cement · Chemical & Pharma · Steel & Metals · Automotive · Food & FMCG · Textiles · Power & Utilities

- ✓ No rip-and-replace — runs on your installed sensor base
- ✓ Sits alongside SCADA, CMMS and BI — PlantWiz decides, your systems keep the record

- ✓ On-premise, cloud or air-gapped — your data stays inside your OT network
- ✓ Commissioned in weeks, not quarters — start with one critical machine