

# HEAR FAILURE BEFORE IT HAPPENS



## WHAT IS VIBIT IQ

**VIBit IQ** is a machine fault detection and diagnosis platform from MachineAstro. It turns sensor data into plain-language fault alerts, fault type, severity and the fix, so your team acts fast, not just reacts.

Unlike rule-based systems, every alert explains what's wrong, how bad it is, and what to do next. No black box. No guesswork.

## WORKS WITH 24+ SENSOR BRANDS VIA

Modbus

MQTT

OPC-UA

RS-485

Vibration · Temperature · Current

Voltage · Pressure · Flow

No rip-and-replace. No new hardware. No vendor lock-in.

## HOW IT WORKS

01



### CONNECT

**Plug into your existing sensors**

Connects to vibration, temperature, current, voltage, pressure and flow sensors over Modbus, OPC-UA, MQTT or RS-485. Works with the hardware you already have.

02



### ANALYSE

**AI runs fully on-site**

Edge AI/ML models run on-premise inside your OT network. Every asset on a single unified dashboard. Zero data leaves your facility.

03

### ACT

**Alerts tell you exactly what to do**

Every alert includes the parameter, deviation, severity threshold and a prescribed corrective action. No interpretation needed - just the next step.

# 99.9%

Accuracy validated across 8,000+ assets

# Zero

False alerts - every alert ties to a confirmed fault

# 120+

Manufacturers served in 4 years

# 6,000+

Downtime hours saved across sites

“

*With MachineAstro at our plant, we detected faults early and took corrective actions before major breakdowns occurred. We've seen unplanned downtime fall by up to 30%, with better machine health visibility and faster fault response across the board.*

**PLANT RELIABILITY LEAD** · CEMENT MANUFACTURING, INDORE, INDIA

PROVEN ON THE PLANT FLOOR — MEASURABLE OUTCOMES ACROSS INDUSTRIES

**70%↓****Reduction in unplanned downtime**

AUTOMOTIVE · STAMPING LINES

**+8pts****OEE improvement on packaging line**

FMCG · PACKAGING

**3 wks****Bearing fault caught 3 weeks early,  
failure averted**

STEEL &amp; METAL · FURNACE FAN

SIX CAPABILITIES THAT DEFINE VIBIT IQ

**01 Universal sensor compatibility**

24+ manufacturers via Modbus, MQTT, OPC-UA and RS-485

**02 Configurable alerts**

Threshold and anomaly - based rules set per asset or parameter

**03 Hierarchical drilldown**

Smart search across assets and parameters from one dashboard

**04 One-click reports**

Audit - ready reports for management and compliance

**05 Machine digital twin**

100,000+ bearing library, 400+ fault library built in

**06 On-premise or cloud**

Fully air - gapped deployment available inside your OT network

WHO VIBIT IQ IS BUILT FOR

## DECISION MAKERS

- Plant Heads & Operations Managers
- Operations Directors / CFOs

## DAY-TO-DAY USERS

- Maintenance Managers &
- Supervisors Reliability Engineers

## WHAT DEPLOYMENT TAKES

- ✓ Works with your existing sensors - no new hardware required
- ✓ Connects over standard protocols (Modbus, OPC-UA, MQTT, RS- 485)
- ✓ Runs fully on-premise - no data leaves your OT network
- ✓ No vendor lock-in, no rip-and-replace

**BOOK A FREE 30-MINUTE  
PLANT ASSESSMENT**

[sales@machineastro.com](mailto:sales@machineastro.com)

[machineastro.com/vibit iq](https://machineastro.com/vibit iq)

See VIBit IQ on your asset class - fault, severity and fix, in maintenance language.