

# CUT COSTS, BOOST UPTIME: PREDICTIVE MAINTENANCE POWERED BY FABRIC AND AGENTIC AI

## Transforming Industrial Operations with Real-Time Intelligence



Quadrant helps manufacturers prevent equipment failures, reduce downtime, and improve OEE using Microsoft Fabric Real-Time Intelligence. We connect your operational systems with real-time analytics and automated actions to turn maintenance into a strategic advantage.

### INDUSTRY USE CASES

- ✓ **Manufacturing** – Predict failures & reduce downtime.
- ✓ **Oil & Gas** – Monitor pumps & compressors.
- ✓ **Utilities** – Improve reliability of distributed assets.
- ✓ **Automotive** – Detect early anomalies in assembly systems.
- ✓ **Pharma** – Maintain compliant, reliable operations.

### ACCELERATED ENABLEMENTS

- 🔧 **Pre-built equipment templates**
- ⚙️ **CMMS & OEE integration**
- 📊 **OEE dashboards & alert rules**
- 🚀 **Pilot-to-production deployment model**

### WHY QUADRANT

- 👥 **Manufacturing-focused expertise**
- 🚀 **Proven accelerators for fast value**
- ⚙️ **Practical, ROI-driven recommendations**
- 📞 **24/7 operational support**
- 🤝 **Microsoft Fabric RTI partner**

### DEPLOYMENT APPROACH (12 WEEKS)

Assessment



Foundation



Intelligence Activation



Production Rollout

### KEY CAPABILITIES

- ✓ **Unified Platform** – Real-time ingestion, analytics & actions in one place.
- ✓ **Operational Connectivity** – OPC UA, MQTT, Modbus, SCADA & sensor integration.
- ✓ **OneLake Data Foundation** – Unified telemetry, maintenance data & OEE metrics.
- ✓ **Predictive Intelligence** – Built-in anomaly detection & ML models.
- ✓ **Automated Actions** – Alerts, workflows & CMMS work order automation.
- ✓ **Dashboards** – Power BI for equipment health & OEE insights.
- ✓ **Manufacturing Data Models** – Natural language queries for instant insights.
- ✓ **Copilot Studio Agents**
  - **Maintenance Agent** for automated diagnostics & maintenance recommendations
  - **Carbon Emissions Agent** for sustainability tracking & operational impact insights

### BUSINESS CASE SUPPORT

Complimentary operational assessment with equipment review, OEE analysis, use-case identification, ROI projection, and deployment roadmap.

## Ready to Predict Failures Before They Happen?

Schedule an Executive Briefing to explore how Quadrant + Fabric RTI can transform your operations.

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