

AI Driven Predictive Maintenance

Optimize uptime & performance

Manufacturing teams spend 10-15% of their operations budget on maintenance activities, while still experiencing unexpected, unnecessary stoppages of critical primary & auxiliary equipment

Enhance asset lifespan, uptime & productivity with Tredence's Azure-based Predictive Maintenance Solutions

Our smart manufacturing solutions help companies drive operational efficiency & maximize value from key assets.

- Relevant for all rotating equipment, where vibration is a key leading indicator of potential issues
- Focuses on Risk Based Inspection, rather than Time Based, reducing unnecessary disruptions
- Continuous monitoring of Time to Failure & Remaining Useful
- Can be integrated with CMMS systems to enable smooth scheduling of maintenance activities

Reach out to us at alliances@tredence.com.

Tredence is a data and AI consulting firm that enables the last mile adoption of insights to drive value realization.

Enable smart manufacturing with our AI Driven Industry X.0 Solutions



AI Algorithms

Deep Learning algorithms, trained to detect & classify anomalies



Root Cause Analysis

RCA Engine to quickly pinpoint the source of the problem



Data Wrangling

Scala/Spark structured streaming on Databricks for high-speed compute



IoT Edge Integration

Enable real-time monitoring & insights through streamlined implementation on the Edge



Ops for AI-IoT Edge

Automated pipeline & Governance frameworks for monitoring & troubleshooting

Business Impact



7-10% improvement in equipment uptime



15-20% reduction in maintenance costs



2-4 % reduction in production costs