Predictive Maintenance with Edge AI Analytics

Edge PredictAI

*Predictive maintenance with **fast, local AI inference on Intel CPUs***

EdgePredictAI delivers real-time predictive maintenance at the edge, using advanced vibration and signal analysis to identify mechanical and electrical anomalies—such as wear and misalignment—before failure occurs. Its locally processed insights—powered by Intel® CPUs and accelerated with the OpenVINO™ toolkit—enable low-latency detection, enhanced privacy, and operation without cloud dependence.

The solution helps manufacturers cut unplanned downtime, reduce operational costs, and improve asset reliability while integrating seamlessly with MES/ERP systems. With rapid deployment (<90 minutes) and scalable architecture across motors, pumps, turbines, robots, and heavy vehicles, EdgePredictAI equips industrial environments with fast, precise, and adaptive condition monitoring.

Key Intel-Enabled Features

- OpenVINO™ Optimized
- Fast Edge Inference
- Privacy at the Edge
- Offline Operation

Accelerate Business Transformation with Optimized, Ready-to-Deploy, Intel-Powered AI Partner Solution

- Predicts equipment failures through local inference on Intel CPUs
- Intel CPUs enable efficient, compact edge gateways
- OpenVINO accelerates real-time edge AI analytics
- Local inference reduces latency and cloud reliance

EdgePredict

Intel Products and Technologies

- OpenVINO™ Toolkit
- Intel® Core™ Processors
- Intel® Xeon® Processors

Ordering Guidance:

- Edge PredictAI | Learn More

Country/Geo: Worldwide

Edge Verticals: Manufacturing & Robotics

Edge Use Cases: Quality Control; Operational Efficiency; Anomaly Detection; Quality Inspection; Predictive Maintenance; Process Optimization; Operational Diagnostics

Learn more:

- ADM INFORMATICA Website

intel ai
Intel® AI Edge Applications

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