



Revamp Industry Operations with Celebal Technologies' IIoT Predictive Maintenance Solution

With each passing year, the cost attached to maintenance and breakdown of manufacturing equipment is growing exponentially. As a result, the digital transformation of industry assets and processes has become a priority. The manufacturing components constantly collect tons of data, and this brings the need for data analysis & strong monitoring into the picture.

Here, IIoT Predictive Maintenance comes to the picture. The IIoT-embedded models build an infrastructure of sensors that monitor the equipment conditions constantly to detect anomalies. Rapid contextualization, automatic pattern, and trend recognition are then done with data tools.

Capabilities of the IIoT Predictive Maintenance Solution

- ✓ Anomaly identification and forecasting using self-service machine learning.
- ✓ Interconnection between systems is built in.
- ✓ Data sharing with other applications in a secure manner.
- ✓ Work orders are automatically escalated based on sensor indicators.



Benefits of IIoT Predictive Maintenance

- ✓ **45%** Reduction in Downtime
- ✓ Improved Equipment Effectiveness
- ✓ **30%** Reduction in Maintenance Cost
- ✓ **10 Times** ROA
- ✓ **85%** Accuracy Over Failure & Anomaly Prediction
- ✓ Improved Performance & Reliability

Industry Proven Success



Enhanced Maintenance Practice for a Leading Company in India Using Predictive Analytics

Developed an easily scalable renewable energy solution consisting of different types of predictive analytics use-cases for plants and equipment.



IIoT Predictive Maintenance Solution for a Fortune 500 Company in India Using Power BI

Build a comprehensive real-time alerting and monitoring system using the Power Platform along with aggregated reports for asset optimization.

Technologies We Use



IOT Hub



Stream Analytics



Data lake



Synapse



Azure ML



Power BI



Advance Specializations on Azure

AI & Machine Learning | Analytics | Kubernetes | Infra and Database Migration to Microsoft Azure | Cloud Security | Low Code - No Code



Traditional Enterprise Meets **Modern Cloud Innovation**



Rising Star Partner Of The Year - APAC 2023
Business Excellence Partner Of The Year - Singapore 2023
Azure Data & AI Partner Of The Year - Malaysia 2022
Country Partner Of The Year - India 2021 and 2022



Top Consumption Partner - APJ 2022
Regional System Integration Partner - India 2021 and 2022

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