ElectroSine
T E C H N O L O G I E S

Providing Continuous Condition Monitoring Solutions to Help Reduce Production Downtime

Who We Are

At Electro Sine we develop devices to provide continuous condition monitoring of industrial assets to prevent downtime, reduce asset failure probability and increase energy efficiency of electrical assets. We have worked out a product that can detect potential issues that can lead to machine failure, weeks or even months in advance.

Our cutting-edge device (ESINE) is designed to significantly enhance efficiency, productivity and convenience across diverse industries.

How It Works

Real-Time Data Collection
Real-time data is continuously gathered from the electrical assets. This data typically includes information like voltage and current parameters.

Machine Learning and Data Analytics
Advanced machine learning algorithms are applied to the collected data. These algorithms are designed to recognize patterns and flag any anomalies or irregularities in the data.

Predictive Maintanance
ESINE uses machine learning to provide early warnings and actionable insights to users, allowing them to prevent potential issues and eliminate unexpected downtime and plant shutdowns.

Our Product

ESINE

- Real time monitoring
- Fault Detection
- Continuous Condition Monitoring
- Fault Alert/Notification System
- Advanced Analytics

Fault Coverage

- Bearing Fault
- Current Single Phasing
- Loose/Slipping Belt
- Cavitation in Pumps
- Load Fluctuations/Overloading
- Stator Winding Degradation
- Rotor Bar Defects
- Voltage/Current Imbalance

Applications

- Generators
- Pumps
- Compressors
- Fans
- Conveyors
- Centrifuges
- Mixers and Agitators
- Crushers and Grinders
- Sawmills and Woodworking Equipment
- Robotic Systems
- Packaging Machinery
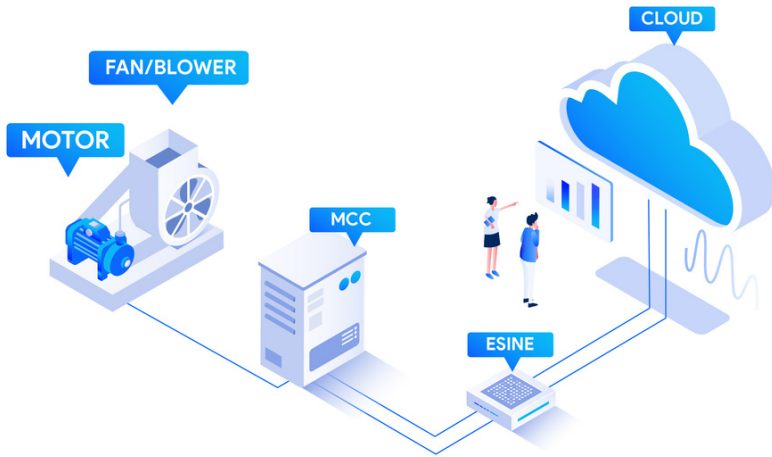
Industry Sector

- Manufacturing Industry
- Power Generation and Distribution
- Oil and Gas Industry
- Water and Wastewater Treatment
- Chemical Processing
- Mining and Minerals
- Pulp and Paper Industry
- Automotive Manufacturing
- Food and Beverage Industry
- Pharmaceuticals
- Textile Industry

Benefits

- Early Fault Detection
- Reduced Downtime
- Predictive Maintenance
- Cost Savings
- Increased Reliability
- Optimized Performance
- Improved Safety
- Energy Efficiency
- Remote Monitoring
- Condition-Based Monitoring

Contact Us

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