Plant IoT

Plant IoT is a compact device designed with advanced technology to monitor and assess the health and performance of industrial equipment. Equipped with sensors and connected to cloud, the device captures real-time data on various parameters, such as temperature, vibration, pressure, power consumption, material stock, stagging material area status etc. It leverages power of IIoT technology to securely transmit the data for analysis and generates actionable insights.

Plant IoT enables proactive maintenance by detecting anomalies, identifying potential failures, and sending automated alerts to concerned personnel. Its compact size and easy installation make it suitable for a wide range of equipment across different industries, ensuring efficient and reliable monitoring to optimize equipment performance and minimize downtime.

KEY ATTRIBUTES

- Robust Hardware Gateway to manage various conditions remotely as per Industrial Application
- Real-time Monitoring & Alert Notifications
- Web based interface for Device Management
- Customizable & Scalable to support multiple Use cases
- Provisioning via Web Applications
- Industry Standard Enclosure Material

- Access Management based on Hierarchy
- Corrective and Preventive Maintenance
- OTA Firmware upgrades
- Historical Analytics for Predictive Maintenance
- Mobile Application for Appstore and Android Play store
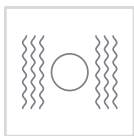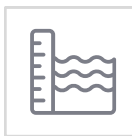- Secured Login & Cloud Authentication

Use Cases

Temperature
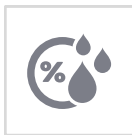
Humidity

Voltage

Pressure

Vibration

Tank Level

Bin Level

Label Roll

Door Status

Staring Area

Liquid Flow

How can it help with Operational Enhancement?

- Proactive Maintenance
- Improved Equipment Effectiveness
- Minimize Unplanned Downtime
- Cost Optimization
- Equipment Reliability and Longevity
- Improved Safety and Risk Mitigation

- Remote Access and Scalability
- Enhanced Operational Efficiency
- Data driven Decision Making
- Reduce Maintenance Costs
- Optimized Maintenance Schedules
- Enhanced Safety

Industrial Applications

- Warehouse
- Cold Storage
- Electric Panel
- Machine Panel
- Food Service Equipment

- Industrial Manufacturing
- Oil & Gas
- Energy & Utilities
- Food & Beverages

Customer Testimonial

" Implementing Arastu Systems Plant IoT Solution for temperature & humidity monitoring, we were able to achieve significant downtime reduction for our Cold Storages & Electric Panels

**– Chief Information Officer,
Fortune 500 Food & Beverage Manufacturer**

Get in touch with us!

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