

Remote Industrial Monitoring Solution

RELIABLE. PREDICTABLE. SAFE.

Industry Challenges



Employee and Environment Safety

The industry needs to establish robust connectivity channels with remote production assets and environmental parameters to improve safety of operations and reduce risks and exposure (catastrophic failures, leaks, emergency shutdowns).



Total Cost of Ownership (TCO)

A siloed view of operations causes several challenges like unplanned downtime, impact on quality, ineffective decision making and emergency expenses. Contextual insights, on the other hand, can improve situational awareness and prevent unplanned downtime by 5-20%, maintenance costs by 5-10%, drive standardization of best practices.



Interoperability – Complex Ecosystem of Assets

The production environment is heterogeneous supporting multiple OEM and multiple protocols that were never designed to be interoperable. Enabling this interoperability and breaking silos is key to remote operations.

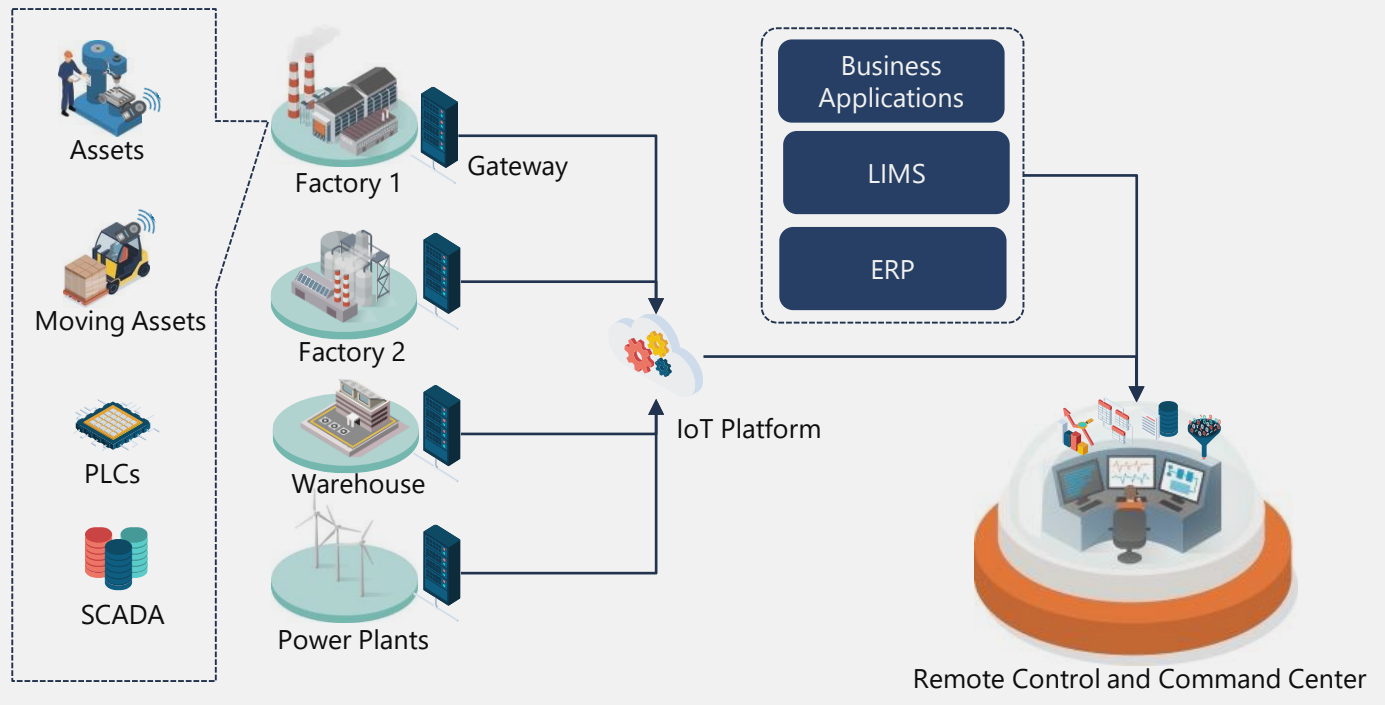
Remote Industrial Monitoring Solution

Microland's Remote Industrial Monitoring Solution enables visibility to remote production assets & operations. The solution is designed to monitor the health of remote industrial assets, detect anomalies and predict potential degradation, providing a seamless interface to global operators and management.



An immersive visual experience of your operations from anywhere at any time and on any device

High Level Architecture



Features

Real-time Insights
Real-time insights on asset health, operating parameters and trends, asset history.

Condition Monitoring
Configure simple and *complex rules to enable an early warning detection system.

Anomaly Detection
AI based anomaly detection engine for early warnings

Predictive Analytics
Predict future degradation and failures. This enables JIT maintenance plans.
Ability to integrate and contextualize asset reliability models

Events Management
Single pane of glass for viewing, managing, notifying and tracking alerts and events.

UX-First
KPI centric dashboards, *chatbot assist, *mobile app, responsive design

Integrated Workflows
Integrate the value chain, tying in operational data with other enterprise data

** Features under development*

About Microland

Microland's delivery of digital is all about making technology do more and intrude less. We plan, build, and deploy end-to-end IIoT solutions to assist clients at every step of their IIoT journey. Our deep IT-OT expertise, along with our industry experience and partner ecosystem enable us to deliver desired business outcomes to our global clients.