

Real-time Manufacturing Insights solution

A COVID-19 Imperative










About The Solution

Amidst the COVID-19 crisis, organizations are finding it increasingly difficult to maintain business as usual (BAU), particularly the business that depend on workers whose jobs cannot be carried out remotely. These challenges are not accounted by the typical contingency plans and thus productivity and efficiency are taking a hit in these times.

The Real-time Manufacturing Insights (RMI) solution optimizes the capacity utilization with reduced workforce and disrupted raw material supply, through IoT-led digitization and automation of manual processes on the floor. The real-time monitoring of the manufacturing floor - inventory levels, assembly line (and the critical parameters such as OEE and energy consumption) and finished goods, reduces unplanned down-time and provides critical insights. This solution leverages predictive maintenance and prescriptive analytics and is implementable across plants in different geographies, driving real-time visibility to provide crucial decision support at several levels of the management.

Features


-  **Real-time monitoring** of plant efficiency with user defined KPIs
-  **Real-time alerts** to the preconfigured users via email or mobile
-  **Predictive maintenance** to pre-empt machine breakdown and line availability issues
-  **Cost analysis of OEE losses** - availability loss, performance loss and quality loss
-  **Connectivity support** with system integration of IT/OT systems
-  **Monitor and manage** the machine connectivity across the floor and quickly troubleshoot issues



30% savings on unplanned downtime losses



30% reduction in maintenance cost



10%-15% increase in asset productivity

Benefits

-  **Reduce unplanned downtime** by improved fault prediction and planning of remedial actions
-  **Reduce scrap loss** by real-time alert in output quality drop
-  **Increased visibility** into asset health throughout processes
-  **Real-time visibility of finished goods inventory** to reduce inventory carrying costs
-  **Predictive and Preventive Maintenance** to **reduced machine maintenance** costs
-  **Real-time actionable insights** to achieve higher productivity and better-quality goods