



BROCHURE

OIL CONDITION MONITORING SOLUTION

Triniti Oil Monitoring Solution version 1.0

OUR HISTORY

We are a business and application consulting firm that enables enterprises to improve their performance through various data-driven solutions. With the advent of Industry 4.0 and Triniti's strong intent to help the customer integrate business data and operations data, we have ventured into value-adding Industrial Internet of Things (IIoT) solutions. Right from identifying the proper hardware to acquiring the operational data, data communication, data insights, analytics, and integration with the business systems, we provide end-to-end solutions and services.

We strongly believe in delivering value through IT-OT integration, and with our proven track record in the business data space, IT-OT integration can help quickly realize the importance of Industry 4.0 solutions to its customers.

OIL CONDITION MONITORING SOLUTION

Our end-to-end industrial IoT solution captures lubricant oil quality parameters and provides continuous visibility. Lubricant oil's cleanliness is critical to machines' performance and life. If undetected, it can lead to unplanned downtime & unwanted machine failures. The Online Oil Condition Monitoring solution continuously **monitors oil health**, specifically **oil particle contamination**. We utilize advanced sensors that can easily integrate for overall oil condition monitoring.

Oil contamination caused due to small particles of size up to **4u**, **6u** & **14u** is challenging to detect through the naked eye and requires an advanced-level sensor. A manual oil sampling at periodic intervals through an oil sensor installed on the machine serves the purpose of contamination detection but it is time-consuming and prone to human errors.

Close monitoring of oil quality is imperative to avoid unplanned downtime & unwanted breakdowns.

OIL CONDITION MONITORING SOLUTION BENEFITS

LIVE CONDITION MONITORING

TIMELY RESPONSE

MACHINE PROTECTION



Multiple Advanced Oil Quality Sensor Integration with Ease



Visual Oil Cleanliness
Parameter Monitoring on
Our INSIGHTS PORTAL



Various Alert Mechanisms
Configured to Indicate
Breaches



Reduced
Dependency on
Offline Oil Analysis



Reports for Historical Alerts Data Logs by Individual Machine

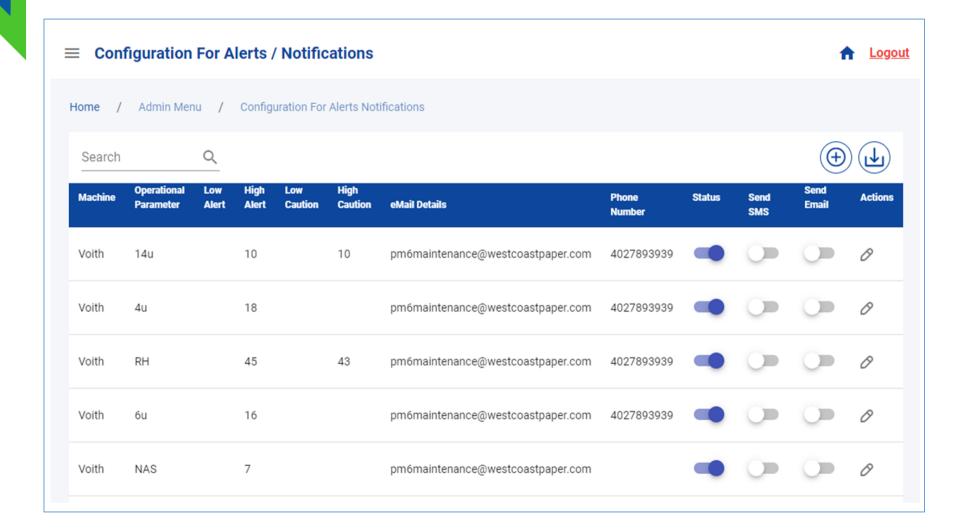
TRINITI OIL MONITORING SOLUTION VERSION 1.0

DASHBOARD SNAPSHOTS



TRINITI OIL MONITORING SOLUTION VERSION 1.0

DASHBOARD SNAPSHOTS



TRINITI OIL MONITORING SOLUTION VERSION 1.0

DASHBOARD SNAPSHOTS

