TRINITI

BROCHURE

DAIRY PLANT MONITORING SOLUTION

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.

DAIRY PLANT MONITORING SOLUTION

Smart IoT-powered monitoring in the perishable goods industry creates a transformational opportunity driven by advanced analytics and data-driven practices. These solutions, such as centralized plant level monitoring, Critical Control Point (CCP) monitoring and equipment utilization monitoring, strengthen the operational aspects of the industry and improves decision-making. It thus enhances the overall plant productivity and enhances brand value. Below are the features and value proposition of Triniti's Dairy Plant Monitoring Solution –

DAIRY PLANT MONITORING SOLUTION

BENEFITS

Configurable online dashboards for entire plant processing chambers & silos (e.g., CCP parameters, door events, levels, etc.)

Energy utilization monitoring

Scalable solution for geographically distributed plants

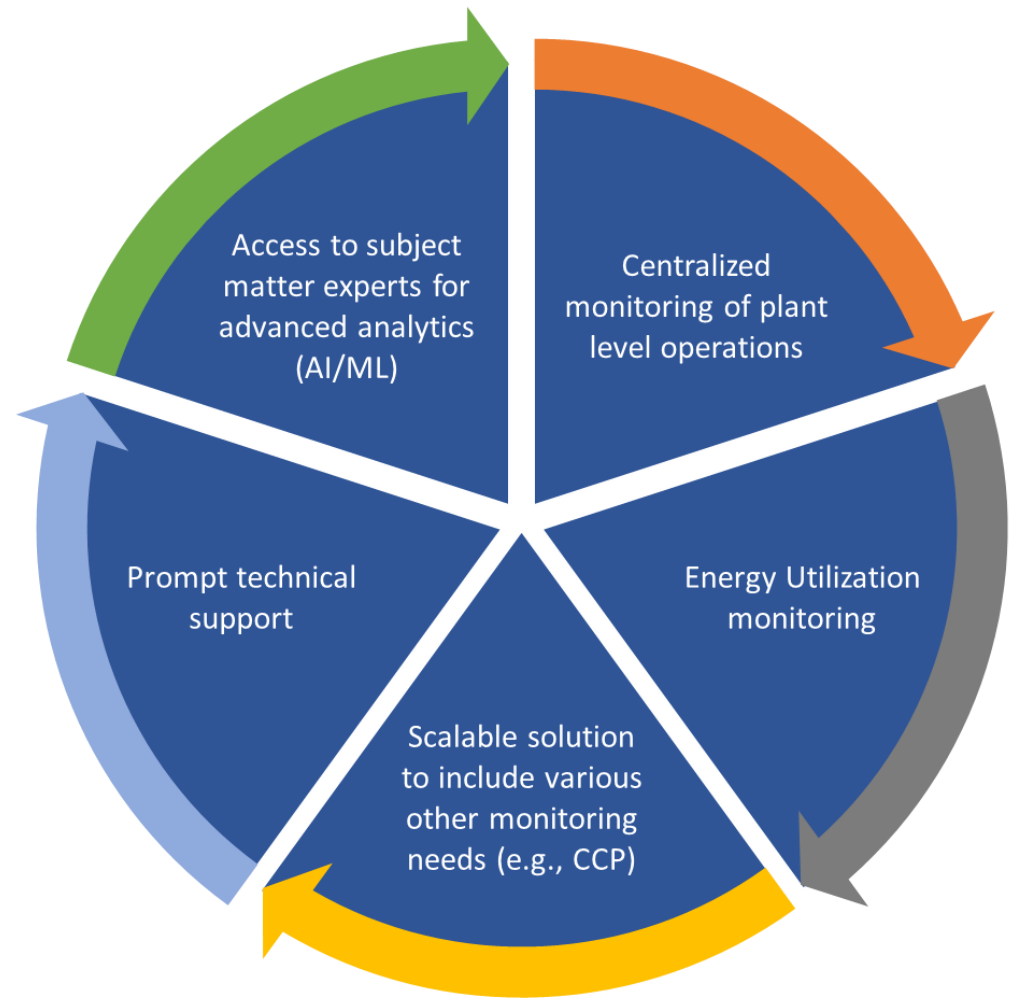Configurable alerts, smart alerts management and audit logs

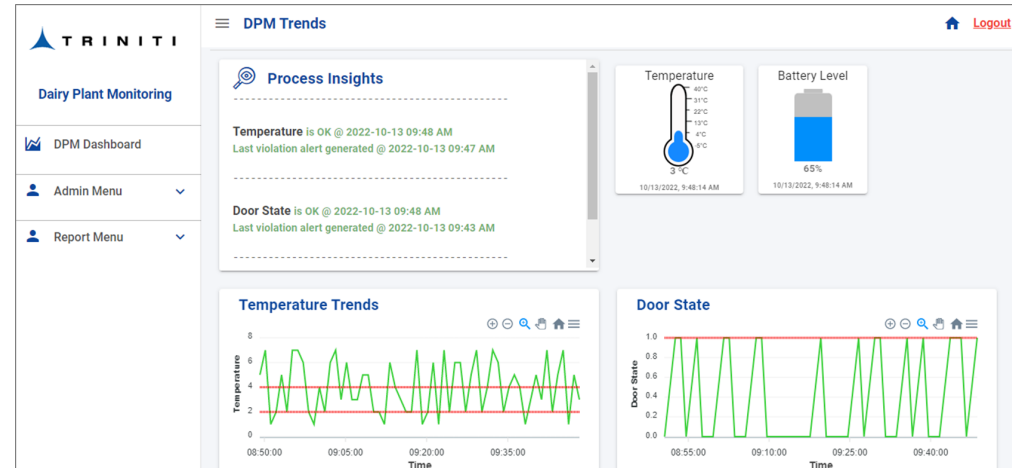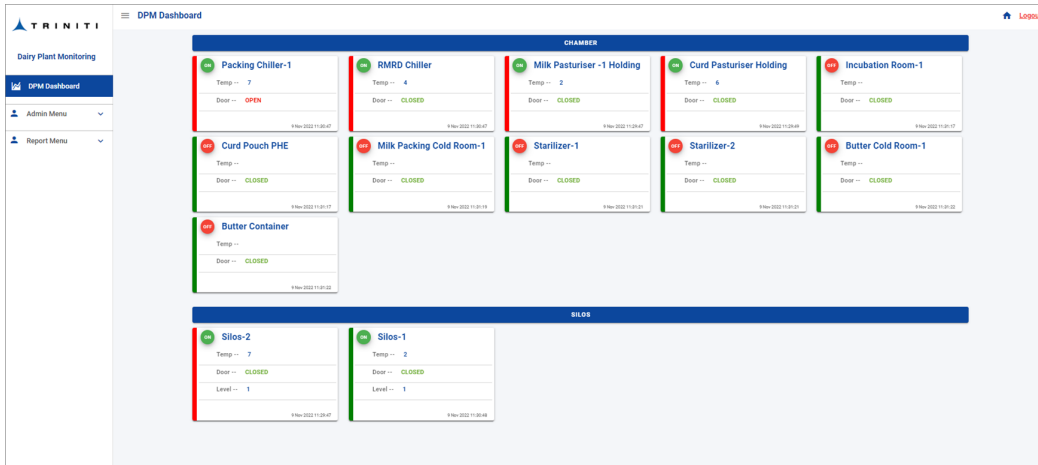User & role management for additional security

Custom analytics

VALUE PROPOSITION

Access to subject matter experts for advanced analytics (AI/ML)

Centralized monitoring of plant level operations

Energy Utilization monitoring

Scalable solution to include various other monitoring needs (e.g., CCP)

Prompt technical support

DAIRY PLANT MONITORING SOLUTION

DASHBOARD SNAPSHOTS

The DPM dashboard provides an integrated view of all chambers & silos. It displays details about the critical events/ parameters like door open/ close, container level, temperature etc.

DPM trends provide a detailed view of selected chambers/ silos and critical parameters that are monitored. It also provides historical trends for the duration selected
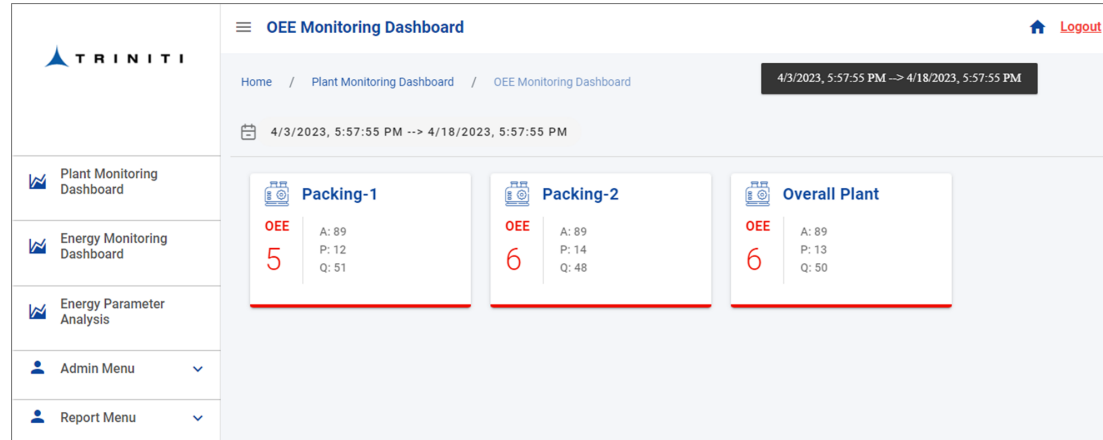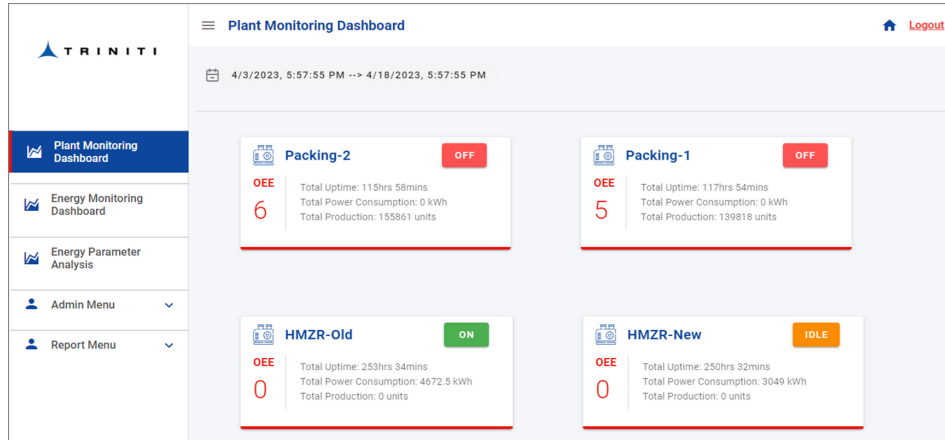
Configuration for alerts/ notifications page is used for thresholds setup, notifications management for each critical parameter

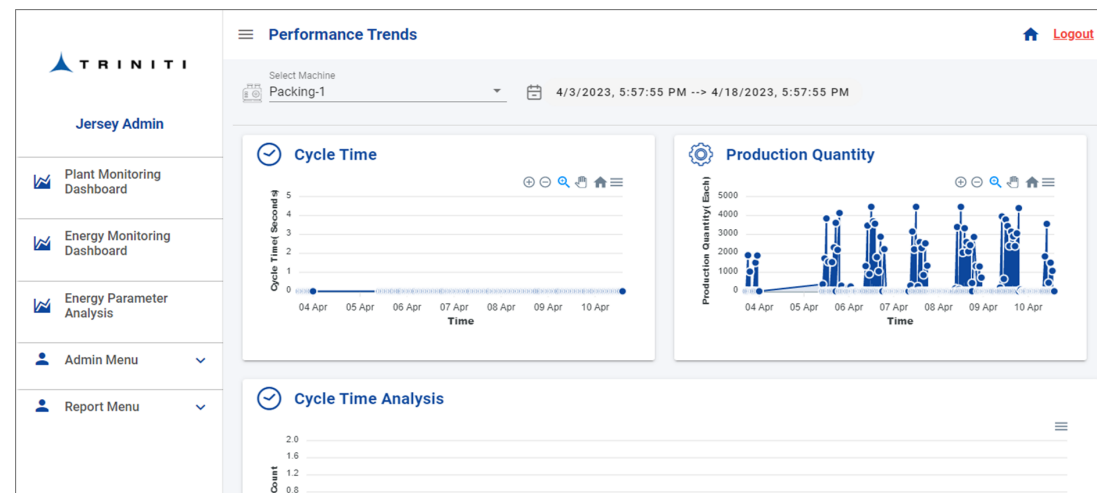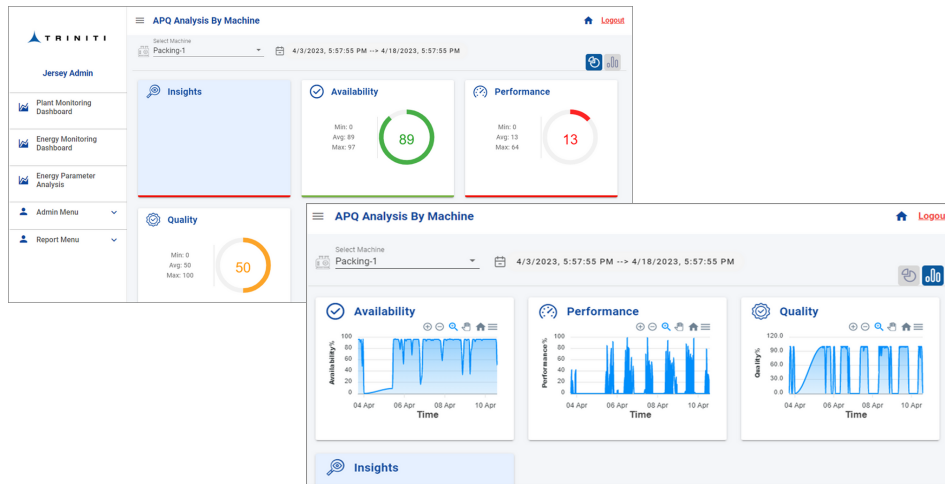User Audit report provides detailed log of user login

DAIRY PLANT MONITORING SOLUTION

DASHBOARD SNAPSHOTS

The plant monitoring dashboard provides a consolidated view of all machines at the plant level. It also provides insights into the overall OEE, total power consumption, uptime, current machine state etc.

OEE monitoring dashboard provides detailed view of Overall OEE, Availability, Performance and Quality of machines and also about the plant

APQ analysis by machine provides details about the calculated Availability, Performance & Quality of machines, generated for OEE for a given period of time

The performance trends page displays trends pertaining to total production quantity and cycle time for each equipment, for a selected duration. It will help engineers analyze the machine behavior based on historical trends