

Case Study

Driving IoT enabled Digital Transformation

Overview

A leading Tyre manufacturing firm in the world needed to drive IoT-enabled digital transformation by connecting critical processes in tire manufacturing. The processes included mixing, calendaring, extrusion, cutting, winding and curing. The resulting manufacturing process data lake was used for deeper analysis into improving process quality and predicting failure using machine condition monitoring. The process and manufacturing data were integrated with ERP to bring visibility and predictability into the manufacturing value chain.

Solution

Kalaam Telecom IIOT suite deployed at JK Tyre, with Datonis Edge operating in a fail-safe configuration inside the customer's network. Datonis IoT platform and MINT were deployed on the cloud. The Datonis IoT API was leveraged to integrate with all dependent systems including ERP.

- Datonis Edge: Responsible for integrating with machines on the manufacturing floor
 - Datonis IoT: It makes for the repository for storing and processing all machine and manufacturing data and is the data lake for the implementation. Datonis IoT acts as the data source for Datonis MINT.
 - Datonis MINT: It is a business-focused application used for process analytics and delivering specific reports to the various stakeholders
-