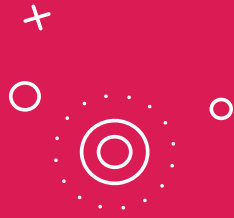![Mindtree — A Larsen & Toubro Group Company]

Mindtree
A Larsen & Toubro Group Company

Case Study:
IoT Platform Consulting
& Implementation for
a large construction material manufacturer

Welcome to possible

CLIENT

The client is a producer of building materials and construction systems comprising construction materials for drywall construction, plasterboard, cement boards, mineral fibre acoustic boards, and many other types of insulation materials as well. Having a large percentage of the market share, they have over 150 production sites across the world.

CHALLENGE

One of the major challenges of this project was the lack of end-to-end IoT platforms that could connect machines (or equipment) in plants so that they could be monitored, and the resulting data could be used for analytics and reporting. The Plant Operational data, although available, was stored at the plants locally, and so could not be used to derive insights to improve the productivity or operational efficiency of the company. Moreover, the non-availability of consolidated information and visualization across plants to key stakeholders was a major roadblock when it came to growth.

SOLUTION

To begin with, Mindtree consulted with the client for a definition regarding the end-to-end IoTa and data platform as well as its implementation, covering various facets like Edge, Cloud, Data Analytics, and AI/ML. Once this had been completed, we implemented a pilot use case for centralized energy monitoring. reporting, and visualization. Next, we targeted data integration and data processing for all the plants and created a system to store it all centrally for data analytics and BI reporting.

BENEFITS

By consulting on and implementing the IoT platform, Mindtree delivered the following benefits:

End-to-end IoT platform providing centralized data for monitoring, analytics and reporting

Centralized dashboard to view energy consumption details (for example, gas and electricity consumption) across all plants

Ability to derive insights from centralized data to increase plant throughput and predictive maintenance

ABOUT MINDTREE

Mindtree [NSE: MINDTREE] is a global technology consulting and services company, helping enterprises marry scale with agility to achieve competitive advantage. "Born digital," in 1999 and now a Larsen & Toubro Group Company, Mindtree applies its deep domain knowledge to 275+ enterprise client engagements to break down silos, make sense of digital complexity and bring new initiatives to market faster. We enable IT to move at the speed of business, leveraging emerging technologies and the efficiencies of Continuous Delivery to spur business innovation. Operating in more than 15 countries across the world, we're consistently regarded as one of the best places to work, embodied every day by our winning culture made up of over 22,000 entrepreneurial, collaborative and dedicated "Mindtree Minds."