



Case Study

Digitizing Drilling Operations to Enable Data-Driven Insights for Improved Efficiency



Client

The client is a global pioneer in the aerospace sector.



Our Experience

LTIMindtree connected a multitude of shop floor devices to gather real-time information across different systems, and used them to build dashboards that help in tracking critical process KPIs and deriving data-driven insights, resulting in higher operational efficiencies.



Challenges

- ✓ Lack of automated process for configuring and managing drilling operations on the assembly line leading to manual error
- ✓ No real-time visibility into drilling operations hampering operational efficiency
- ✓ High chances of error due to manual interventions while analyzing drilling log files resulting in erroneous production reporting



LTIMindtree Solution

- ✓ Automated download of files from drilling devices, to be saved to the database
- ✓ Developed a client-server model that enabled interoperability between the systems on the network
- ✓ Set up a real-time dashboard to monitor critical process KPIs



Business Benefits

30%

reduction in manual effort for each drilling device.

Improved incident resolution time by timely intervention as a result of continuous monitoring of critical process KPIs.

Seamless integration to the centralized tool management system providing actionable insights to the management over a single pane of glass.

Stateless and flexible solution which can handle a large volume of data over multiple systems.

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