LTIMindtree

Case Study

Prevention of Costly Unplanned Downtime by Leveraging IIoT for Australia Based Mining Major

Client

The client, an Australia-based multinational mining, metals, and petroleum company, operating across a broad range of industrial assets, was facing critical problems in the compression process.

Challenges

Monitor equipment performance

Analyze failure patterns

Arrest the unplanned downtime of the plant/equipment

Boost revenue

LTIMindtree Solution

With the help of LTIMindtree, the client developed a predictive maintenance application for the gas compression equipment. This helped to avoid unscheduled downtime and the associated loss of production and revenue.

In an effort to avoid revenue losses, both LTIMindtree and the client developed a solution using an Industrial Internet of Things (IIoT) approach. This solution improved the uptime for compressors and offshore oil platforms.

Business Benefits

- IIoT implementation helped reduce unplanned downtime and cost
- Sensor data from offshore equipment and platforms
- Alerts/replacement/repairs leading to efficient predictive maintenance