



Case Study

# Maximo Support for Leading Indian Thermal Power Provider

## Client

The client is one of India's leading thermal power provider companies. The company is developing, investing, operating, and maintaining grid-linked Independent Power Plants, Cogeneration, and Captive Power Plants on Build-Own-Operate (BOO), Build-Own-Operate-Maintain (BOOM), and Build-Lease-Operate (BLO) basis.

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## Challenges

Asset data is crucial in the power generation industry. The key is to drive down the operational and maintenance costs while ensuring highly reliable power delivery. In the absence of data, it is extremely difficult to speculate: for how long the assets will last, when they will need maintenance and repair, and which strategies will maximize the plant efficiency.

### Key challenges were:

- Design and deployment of 'Maintenance Module' to cover maintenance and repair operations for the client's capital assets such as equipment and facilities.
  - Process integration with Finance and Controlling, Procurement, Production, and QA.
  - Enhancements to be executed in Health and Safety Environment modules.
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## LTIMindtree Solution

### LTIMindtree provided the following value-added offerings of Maximo to solve the challenges:

- Implementing best practices in the industry to optimize entire processes.
- Generating periodic reports based on data in SAP and DCS system.

- Integrating Asset Management System with Asset Performance Management.
- Streamlining integration with fixed asset accounting, mobile workforce management, and design tool.
- Consolidating multiple work and asset management solutions across business units, including transmission, distribution, and power generation.
- Providing multi-level support under defined SLA.
- Tackling significant change management issues while transitioning from manual processes and document-based systems.
- Executing enhancements in Health and Safety Environment modules.
- Upgrading to latest available version of Maximo.

## Business Benefits

**LTIMindtree, from its industry experience, instigated O2T approach to deliver following business outcomes:**



Extended capital asset life by 10-13% by implementing appropriate preventive and predictive maintenance activities.



Integrated Maximo and SAP system for procurement process, which led to optimized asset efficiency and inventory levels.



Automated preventive maintenance and calibration planning resulting into reduced turnaround in defect tracking and performance reporting.

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