Indian Power Plant Operator Reduces Maintenance Costs and Optimizes Production Planning with Plant Information System

Client

A special purpose entity backed by a public sector electricity board in India that generates thermal power for northern states. It owns and operates two coal-fired power plants in the state of Punjab with a total capacity of 1400 MW.

Challenge

- The company wanted to reduce its operational cost through proactive maintenance of plant machinery and enhance the visibility of operations by setting up a robust Plant Information (PI) System
- It also wanted to enable automatic generation of work orders from the Enterprise Resource Planning (ERP) system
- The entity required a hardy notification system to drive effective incident management

Solution

- L&T Infotech deployed the OSIsoft PI suite of products for comprehensive maintenance management:
  - Designed the Asset Framework which is a repository of asset-centric models, hierarchies, objects, and equipment in the OSIsoft PI Server
  - Facilitated monitoring of operational data to track deviations that could lead to bottlenecks
  - Generated reports and notifications to trigger work orders from the ERP system for enabling pre-scheduled maintenance

Benefits

- Overall maintenance costs were brought down by 7%
- Higher plant productivity owing to streamlined production and maintenance planning
- Improved business decision-making by provisioning leaders with access to accurate granular and shift-specific operational data

About L&T Infotech

L&T Infotech (NSE: LTI) is a global IT services and solutions provider with presence in 22 countries. We solve complex business challenges at the intersection of digital and physical world with our real-world expertise and extreme client centricity. We help clients create better customer experiences, transform processes and build new businesses.

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