



Case Study

# OPERA Solution for Leading Solar Power OEM

## Client

The client is a leading player in Solar PV installations and execution of some of the largest solar plants. It has proven EPC capabilities providing superior solutions for solar power plants.

## Challenges

- Monitoring and optimization of solar plant operations to achieve maximum power output possible.
- Better forecasting of solar irradiation – plan for intermittency.
- Remote condition monitoring and predictive maintenance of geographically spread plant equipment.
- Lean operations for asset-intensive utilities by leveraging technology.

## LTIMindtree Solution

- Business intelligence analytics, performance analytics, case analysis, plant monitoring, and control all in single platform.
- Billing & revenue invoicing and connectivity with ERP system.
- Intelligent weather forecasting model at 85% accuracy to maintain maximum power output and avoid penalties.

## Business Benefits

- 50% reduction in maintenance cost of inverter and SMB through predictive maintenance and alarms.
- Three to five percent improvement in CUF.
- 10% overall reduction in OPEX.

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