LTIMindtree

Case Study

Improving Inventory Visibility, Control, and Optimization for Power Utility

Client

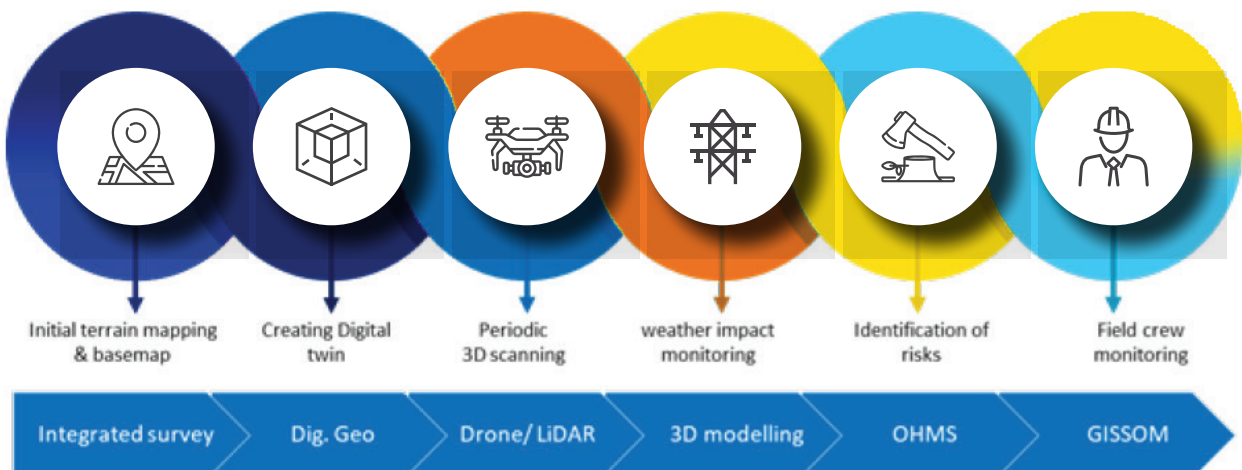The client is a state transmission and distribution company in India.

Challenges

Need for transformation and optimization of T&D spend.

Solution

LTIMindtree implemented drones and LiDAR network inspections, and our predictive vegetation management solution:

> Geospatial solution: Drones and LiDAR network inspections.

> Predictive vegetation management.

> Technologies used: IOT senor, drones, AI/ML-based analytics, and LTIMindtree's Mosaic platform.

| Initial terrain mapping & basemap | Creating Digital twin | Periodic 3D scanning | weather impact monitoring | Identification of risks | Field crew monitoring |

| Integrated survey | Dig. Geo | Drone/ LiDAR | 3D modelling | OHMS | GISSOM |

Business Benefits

Improved efficiency, time, and safety.

88% reduction in time taken for tower inspections for rusting, chipped insulator, missing bolts etc.

Predictive maintenance-based tree trimming plan for Right of Way.