



CASE STUDY

Creating Integrated Experience through an Enterprise Portal for Tracking Suite of Fleet in a Sea Bridge Project

Client

The client is one of the state governments of India. The body is responsible for infrastructure development in the metropolitan region. The project involves constructing the longest sea bridge in India.

Challenges

- Completely manual processes, with zero visibility of more than 200 assets/fleet in the middle of the sea.
- Inefficient systems to visualize various project layers in a common data environment.
- Inconsistent reports due to manual data entry and limited digitized workflows.
- Optimized vehicle utilization and safety of personnel working on sea.

LTIMindtree Solution

- Fleet LIVE status
- Locating each asset of the fleet
- Integrated with IIoT
- Health parameters
- Tide info, weather
- Workmen zones
- Execution progress
- Bathymetry data
- Project alignment and designed structures
- Drone and NHO datasets

Business Benefits

Remote real-time monitoring of the fleet, with precise location updates and asset/vehicle health conditions.

System for locating individual assets based on Asset ID and category.

A map view that pinpoints the asset location based on several queries.

Availability of customized reports and charts.

Site photographs, videos, and drone images superimposed for effective site visibility.



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