







Our Best Stories  
from the World of  
Asset Management



# Our Credentials in the World of Asset Management

- >  **1500+**  
Engineers & Domain Consultants
- >  **250M+**  
End Customers Touched
- >  **40+**  
Clients
- >  **10 Solutions on L&T-NxT**  
Platform

## Engineering Lineage

Larsen & Toubro Limited is one of the largest and most respected companies in India's private sector.

Engineering, Construction and Manufacturing have been its key businesses.

The engineering DNA and knowledge is leveraged to support and nurture the "Asset Management" capability within LTIMindtree



## Key Focus Areas



Asset Life  
Cycle Management



Asset Performance  
Management



Remote  
Monitoring



Predictive  
Maintenance



Alert and  
Notification



ESG  
Reporting



Cybersecurity



Net Zero

# Leading Oil & Gas Operator in USA

## Key Functionalities

- Defined Maximo Roadmap for customer w.r.t. Infrastructure migration to Cloud, Database migration from Oracle to SQL Server database
- Upgraded to Maximo v7.6.1.2 and move to Azure cloud
- Data base conversion from OR to SQL
- Delivered Integration to sync maintenance, inspection and supply chain process with third party systems
- Improved inventory visibility across ships with custom developed application
- Digitization of manual operation process with the help of Maximo capability i.e., workflow, automation, security roles, predictive maintenance and Inspection related processes

## Business Value

- Improved data visualization of OPEX projects
- Knowledge base article creation and management
- Optimizing Infrastructure usage for data replication
- Increased native Maximo framework usage
- Templated the new vessels build process

## Technology Components



Maximo EAM



Maximo Oil & Gas



Maximo Everyplace



SAP



ShipServ



Smart GEP



Data Replication Tool

**12%**

Ticket Reduction

**20%**

Effort Reduction in Shipping Operations

# Leading Midstream Oil & Gas in USA

## Key Functionalities

- Upgrade of Maximo to V7.6.1.1 and WebSphere to V8 5.5.17 completed successfully
- Simplification of data handling by automatic closure of Desktop requisitions, Purchase Requests, etc.
- Improved asset utilization through real-time reporting
- Maximo Integrated with PS, OTM, EHM
- Improved System Stability
- Re-design of Functionalities like User Delegation, Location Hierarchy
- 18 X 5 ADM support with On Call option

## Business Value

- MaxEdit installation
- Applied IFIX for log 4j vulnerabilities
- Automation of server health checkup
- Research and Analyses on Advanced Maximo technologies like Digital Inspection Forms, Work Center, Maximo Mobile, etc.
- Database server move implementation

## Technology Components



IBM Maximo EAM



Maximo Work Centers



Mobility – Every Place



AKWIRE Scheduler



PeopleSoft Integrated



Watson IOT



Smart Sensors

00%

Unplanned Outages

27%

Ticket Reduction

# Global Leader in Energy Storage Solutions & Battery Manufacturing

## Key Functionalities

- Delivered Maximo 7.6.1.2 Upgrade project successfully in 2020
- Enhanced Indirect procurement processes
- Completed Dynamic clustering with LDAP
- Optimized License cost by Implementing Token licensing
- Developed all existing interfaces with REST architecture
- Delivered Maximo Mobility Solution for Work Mgt, Inventory mgt
- 24/7 Maximo helpdesk support in Mandarin & English language, Enhancements, deployment and AMS support to NA & APAC regions
- Integrated Maximo with Vendor Systems through WallMedian to fetch Real-time Inventory data to Maximo

## Business Value

- Zero unplanned downtime since Oct' 2020
- Automated user provisioning by integrating with Savyant system
- Automated item unit cost fetch from 3rd party system
- Implementation of Maximo Anywhere 7.6.4 for Field Technicians
- APAC MRO Optimization

## Technology Components



Maximo EAM



Maximo Anywhere 7.6.4



Token Licensing



SAP



QAD



Wallmedian



MuleSoft

**100%**

Improved Reliability

**50%**

Improved MTTR

# Leading Automotive Manufacturer in the USA

## Key Functionalities

- Consolidated multi source database systems to streamline equipment management process
- Consolidated a multi organization setup for financial reporting in single currency and single GL account
- Supported Maximo upgrade to v7.6.1.3 (on-premise)
- Significant reduction in system downtime
- Proactive license usage monitoring to control costs
- Dynamic data modelling through integrated reporting tools like Cognos, BIRT

## Business Value

- \$15M Cost Avoidance / Saving over last 10 years of support
- Token License Implementation
- Application vulnerability audits and systematic improvement plans
- Knowledge base article preparation
- Automated manual job runs using tools like Selenium, Powershell

## Technology Components



Maximo EAM



Maximo CM



Maximo Everyplace



Maximo Scheduler



SAP



IOT and Analytics



Smart Sensors

**\$1.5 Mn**

Saved per Year

**50%+**

Improved  
System Uptime

# Fortune 1000 Public Utility Electric Company in Portland, USA

## Key Functionalities

- Implemented and Demonstrated Maximo Scheduler capabilities to customer
- Building Custom Scheduling components in Progress
- Integrating interfaces to sync maintenance activities in Maximo from different sources i.e., OMS, CCB, IQGEO, Power Partner etc. in progress
- Developing Custom models for Scheduler Optimization in progress
- Developing custom components for Scheduler Data Migration in progress
- Proposed Maximo Roadmap for customer w.r.t Infrastructure migration to Cloud(Lift & Shift), Maximo Application Suite(MAS) and AMS

## Business Value

- Replaced legacy scheduling systems with inbuilt Maximo scheduling functionality
- Enhancing the existing Maximo processes and features as per business need
- Analysis of the existing system for Maximo Mobile implementation

## Technology Components



Maximo EAM



Maximo T&D



Maximo Scheduler  
& Optimization



Maximo Mobile



IQGEO



AWS

**+20%**

Scheduling  
Process Efficiency

**+60**

Features  
Implemented



# Diversified Energy Holding Company from USA

## Key Functionalities

- Split refining Assets into three buckets Renewables, Fossils Fuels, and common asset as per their usage
- Impact of reorganizing 3 holding companies (Common, Renewables and Fossil Fuel) done in Oracle EBS implemented in Maximo
- Data extraction, transformation and loading in the new organization structure
- Modification of integrations, reports, Customizations, business process changes if any, end to end testing of all three organization, testing with Oracle EBS for integrations and end to end business processes

## Business Value

- Designed and developed the complete data ETL strategy
- Overtime completion of the project with efficient coordination with the EBS team
- Getting ready for the future organizational objectives

## Technology Components



Maximo EAM



Maximo Oil & Gas



Maximo Anywhere



HSE



Scheduler

00

Issues at Go-live

100%

Schedule Compliance

# Leading Metro Rail Project In India

## Key Functionalities

- Successfully delivered implementation project using “RailnT Solution”
- Improved Asset visibility and optimized operational performance
- Efficient tracking and management of all rail assets and its locations
- Efficient tracking of labor, materials and tools
- Optimized asset efficiency and better inventory control and Visibility
- Enabling characteristics of a linear asset using dynamic segmentation
- Effective and reliable integration of Maximo with Rail sub systems

## Business Value

- Clear visibility & tracking of ongoing Projects
- Improved collaboration between project stakeholders due to implemented integrations
- Cost saving due to visibility of spares inventory and consumables
- Implemented industry specific business processes workflows

## Technology Components



Maximo EAM



Maximo HSE



Maximo Scheduler



IBM ESB



Maximo ACM



SAP



Rail Subsystems

**35%**

Inventory Cost Saving

**25%**

Operational KPI Improved

# Leading Thermal Power Plant in India

## Key Functionalities

- Delivered successfully Maximo Upgrade project - 7.5 to 7.6
- Implemented Bar code for stock items, during inventory receipts
- HSE and Scheduler Add On implemented
- Enhanced existing OOB HSE application to improve safety, reliability and efficiency
- Improved usability with new features availability
- Implemented Everyplace application for Work Order tracking, Inventory, Purchase request, Service request, Return gate pass, Notes for approver

## Business Value

- Implemented industry specific preventive and predictive maintenance processes
- Integration between Maximo and SAP system
- Automated preventive maintenance and calibration planning resulting into reduced turnaround in defect tracking & performance reporting

## Technology Components



Maximo EAM



Maximo Scheduler



Maximo utility



Maximo HSE



Maximo Everyplace



SAP



Barcode

15%

Increased Asset Life

30%

Optimized Inventory



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