

# ENGAGEMENT CASE STUDY

## Customer Background

The organization ranks as the largest forklift manufacturer in the world. Established in 1963, it provides mobile path material handling solutions to the manufacturing, infrastructure, services, aviation, logistics, defence, ports, railways and power industries.

## Business Case

The requirements from the system were to collect the following Machine Parameter Data for the Forklift Equipments:

- Vibration
- Noise
- Lubricating Oil Level
- Distance Travelled
- Geo Location
- Fuel Consumption
- Load

Other requirements were to:

- Monitor assets real time remotely
- Enable remote trouble shooting to optimize Machine Utilization

## Highlights

**Industry:** Manufacturing

**Project Location:** India

**Engagement Since:** 2019

### Solution Snapshot:

- Use of Sensor Technology
- Integration with Infor EAM & Dynamics CRM
- Configuration of Threshold Limits
- Automated Anomaly Detection
- User friendly Dashboards & Reports



India's Largest Lift Truck  
Manufacturer & Exporter  
Implements IoT Solution for  
Enterprise Asset Integration

## Business Solution

The GITL team implemented the following solution:

- All the Forklifts have been instrumented with Sensors
- Machine Parameter Data Collected by Sensors is uploaded in the Cloud using Gateway
- Analytics is done on the data to detect anomalies
- Application is integrated with Infor EAM and Dynamics CRM for dashboards and other reports
- Digital manual, troubleshooting guide, & FAQ have been made available for dealers & forklift owners

## Challenges

The challenges faced by the GITL team during this implementation were:

- Real time data collection
- Authentic data collection related to the machine

## Benefits

- Timely collection of parameter data & alerts prevents sudden break down and minimizes down time
- The system generates alerts if any of the parameters like vibration & load fluctuates beyond the threshold limit
- Reduces inventory of spare for maintenance and minimizes overall cost of break down maintenance

Contact us



## India

### Head office

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## About Godrej Infotech Ltd.

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