

Maintenance Scheduling and Fuel Consumption On-Track

Large Middle East – based Industrial Engineering & Construction company gains visibility across 700+ fleet and 100+ equipments with Hofinsoft AX EAM



Background

Three decade-old, Qatar's pioneering multi-discipline Industrial Engineering & Construction major has contributed immensely to the hydrocarbon infrastructural development sector.

Key Challenges

1. Technician Deployment for Servicing

Setting up schedules for servicing was time consuming. The company was faced with a situation which included meeting multiple customer requests, managing equipment manufacturers' maintenance routines & equipment lifecycles and sourcing required technical skills.

2. Legacy software inflexible to business dynamics

The key business database was labor intensive owing to widespread customizations undertaken in the past, resulting in extensive effort to manage and maintain.

3. Data redundancy & duplication

With a cumbersome process in place, manual entry of data was necessitated, causing multiple entries and duplication of data. A proper mechanism to check erroneous entries was non-existent.

4. Inability to gauge fuel consumption for equipments

The legacy software was not able to assist in assessing and evaluating the fuel consumption across equipments.

Needs

The software solution should make a definitive impact on business growth. In the process make equipment rental and service delivery more efficient and profitable, besides track the fuel consumption across vehicle/equipment.

Hofinsoft Solution

AX EAM provides exceptional value for the Fleet Manager. In addition to comprehensive Equipment Information, Maintenance and Warranty information, AX EAM will track all of Fleet's costs along with fuel consumption data. The solution also avoids multiple entries of same data.

Solution Highlights

- Allocation of asset/equipment based on the availability to the projects
- Alert sent on receipt of the equipment at the respective project site
- Equipments are attached with a rate chart based on its capacity, this rate is chargeable at the time of rental
- Ability to reserve equipments, on the basis of future requirement
- On receipt of the hired equipment, the equipment is inspected for readiness and allocated to respective projects
- Third party certificates for each fleet were captured and displayed against the respective equipments. This included Insurance, Operator's license, Road permits, load test issued etc.
- Incident log helps to record and maintain equipment
- Fuel logs help record and maintain the fuel consumption by the equipment allocated to the projects

Hofinsoft Approach

Hofinsoft approach leveraged its comprehensive experience in successfully delivering similar industry solutions. The solution was optimized to meet client's requirements entirely.

Hofinsoft approached the problems in multiple stages.

- Initially, the equipments were grouped according to matching attributes like Similarity, Work Type and Preventive Maintenance Activities (basis Hourly, Distance(kms) and Calendar) and the Master Job Planner was created to carry out the Preventive Maintenance tasks effectively.
- Next, the fleet management issue involving Fuel consumption per vehicle was addressed. All data was manually entered and computed into the system from existing Log sheets and OEM Manuals.
- Following manual entry of legacy data the system was set-up for future management. This process, enabled client to calculate and track fuel consumption, matching OEM specifications.

Benefits

- Adherence to the highest quality and delivery standards.
- In choosing AX EAM, client was placing their faith in the capabilities of the solution which can support very high volumes of production.
- Using multi-layered technology, AX provides customers with the ability to radically change their business operation as equivalent to changing existing ERP System, whilst retaining full integrity of core processes. Using the Hofinsoft AX EAM, the customer was able to monitor its preventive maintenance schedules in an effective manner. The solution also helped them in getting data for the Fuel Consumption pattern for each vehicle.

For more information, contact

Hofinsoft
We begin where it ends

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