Integrated Rig Maintenance Management System

Integrated Rig Maintenance Management System (IRMMS) helps provide end-to-end process online visibility to end customers on maintenance information and predictive maintenance with self-service features across the installed base of wells. With the ability to perform simple and complex searches to locate wells on map, IRMMS is a GIS based solution with groupings and multiple levels drill downs to map huge number of wells. This solution uses a balanced score-card approach to provide a global view of the local operations and offers a single version of truth for better transparency and near real-time decision-making.
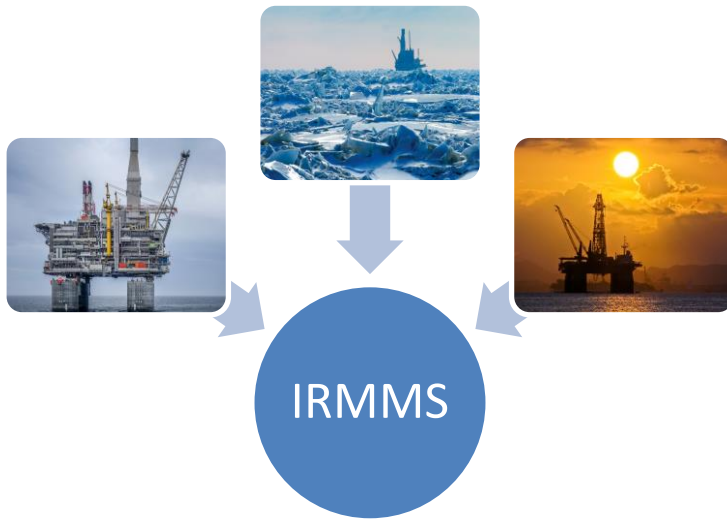
Common challenges faced by all the E &P /services companies across the Oil & Gas industry:

• Lack of centralized/ consolidated installed base information to have transparency and to take the near real-time decisions.
• In general all the maintenance information is distributed across the company and cannot be accessed from one place.
• Gaps in the visibility of different units work - One unit does not have the visibility on services performed by another unit on the same well
• No structured track record of planned / predictive maintenance across the company.
• Rig information cannot be access from the office location.

To overcome these challenges IGATE brought the concept of Integrated Rig Maintenance Management System. Its functionalities are

• Track total installed base of oil wells across the globe by end customers – color coding of oil-wells
• Self-service for updating part number and serial numbers for well components and maintenance information
• To view past and recommended maintenance, and update details of completed maintenances.
• To search and browse the documentation of standard maintenance details applicable for the particular well.

IRMMS

Solution

Locate and track installed base of oil wells.

Detail of past and recommended maintenance, and update details of completed maintenances.

Search and browse the documentation of standard maintenance details applicable for the particular well.

Details of services performed by different P&Ls

Advantages

A single platform for all users and end customers to view the installed base of wells

Online visibility to end customers on maintenance information, predictive maintenance with self service features

Features

One stop solution for installed base and maintenance information in few clicks

GIS based solution with groupings and 4 levels drill downs to map huge number of wells

Ability to perform simple and complex searches to locate wells on map

Dynamic color coding of oil wells

Export of data to excel and pdf formats

Display of well assembly with parts number and ability to update part and sub-part details.

IRMMS Features:

Display of oil wells (Company's wells) on the country map and color-coding of oil well based on next maintenance date

Display of parts data on the well image and option to edit and update p/n and s/n

Display of recommended maintenance, recommended spares, and history of sub-parts data

Grouping of oil well info based on the regions in country.

Addition and display of components history of the parts of each oil well.

Display of P&L data (sales orders, service tickets) for PC, AL, LF and LS P&Ls for each well

Search for oil wells on map based on state, county, API, well name, spud date and comp date/ oil wells on map based on additional criteria like basin, current operator, and P&L.

Display of drilling data

- Equipment Image with elements such as Riser, Connectors, BOP, Diverters, Telescopic Joint etc.

- Elements with manufacturing details

- Detailed information about equipment like Rig Name, Rig Type, Service Year, Recertification Year