

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.

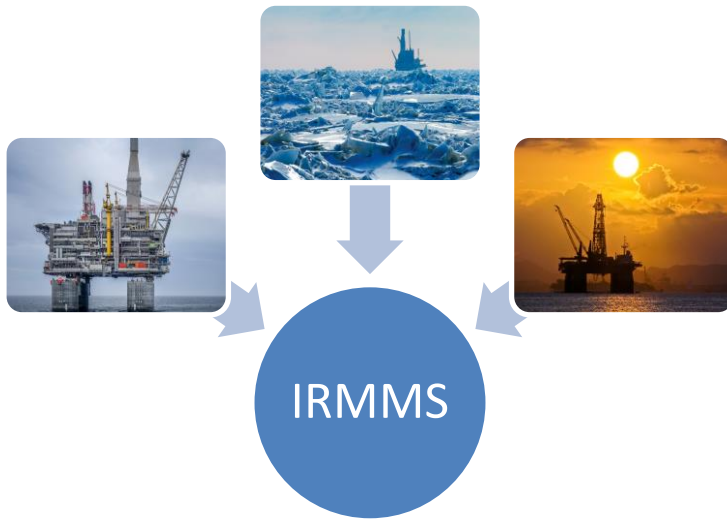
Common challenges faced by all the E & P /services companies across the Oil & Gas industry:

- 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.





Solution	Advantages	Features
<p>Locate and track installed base of oil wells.</p> <p>Detail of past and recommended maintenance, and update details of completed maintenances.</p> <p>Search and browse the documentation of standard maintenance details applicable for the particular well.</p> <p>Details of services performed by different P&Ls</p>	<p>A single platform for all users and end customers to view the installed base of wells</p> <p>Online visibility to end customers on maintenance information, predictive maintenance with self service features</p>	<p>One stop solution for installed base and maintenance information in few clicks</p> <p>GIS based solution with groupings and 4 levels drill downs to map huge number of wells</p> <p>Ability to perform simple and complex searches to locate wells on map</p> <p>Dynamic color coding of oil wells</p> <p>Export of data to excel and pdf formats</p> <p>Display of well assembly with parts number and ability to update part and sub-part details.</p>

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, Diversers, Telescopic Joint etc.
- Elements with manufacturing details
- Detailed information about equipment like Rig Name, Rig Type, Service Year, Recertification Year