

MOBILITY SOLUTION FOR REMOTE WORKFORCE MANAGEMENT

Adopting seamless integration into your organization's existing back-end applications and effectively managing workforce needs within the oil and gas industry.





The importance of workforce management within the oil and gas industry has gained a new perspective over the past couple of years. Growing competition has been the primary reason for enterprises within this industry to seek alternative energy sources which explains the essential need for **field resource management** as well as an optimized and **automated workforce management**.

Oil and gas industries are faced with the complexities of managing and organizing multiple types of resources; equipment, employees and crew belonging to different sections need to be handled systematically to ensure smooth production and low costs. This is where **workforce management software** plays an important role.

With the help of workforce management solutions, the en-

tire process involving assigning and scheduling tasks, field resources and equipment, is automated and streamlined thus eliminating any human errors and the need for guess work.

Workforce management solutions are meant to provide seamless integration into an organization's existing back-end applications and provide a direct connection between the field service operations and the rest of the business.

However, as the need for workforce management solutions within the oil and gas industry has been growing, it has given rise to a new set of challenges to meet these demands and provide the apt solutions needed to cater to this industry's specific needs.



CHALLENGES

Issues that are most commonly experienced across the upstream oil and gas industry have a direct effect bearing over the efficiency and productivity of the company's workforce as well as its operational processes. These are the key challenges faced by the workforce across this industry.

Different Workflow Process

The same business process and patterns followed by other field service management solution providers is relatively easier as compared to the oil and gas industry which functions differently. It follows entirely different patterns, regulations, procedures and assets to track, thus the solutions that work for utility and telecommunication industries cannot be used within the oil and gas sector.

Long Duration Jobs

Jobs within the oil and gas industry are mostly of long duration which can range anywhere from a few days to several months. However, these must be performed simultaneously with other short tasks such as equipment delivery. Systematic optimization of all the tasks is required so that the right assets are used at the right times and there are no deficiencies caused by unexpected circumstances.

Manual Data Processing

Manual data entry often involves time-consuming paperwork which is highly error-prone and risky. It can also affect the billing, payroll and invoicing cycles. For smooth functioning of the company's processes, accurate data is a must.

Remote Locations

Lack of connectivity is a major challenge faced by upstream oil and gas industries as offshore drilling rigs are often located at remote areas where there is no access to cellular coverage. Thus the main concern for oil and gas industries lies in accommodating drilling rigs and solving the connectivity issue.

Poor communication between field operators and the office

With most of the field workers operating from remote areas without any cellular coverage, communication becomes an issue as it leads to time being wasted by both field operators as well as office staff.

Operator Safety

As most of the workforce operates from hazardous locations, operator safety is a constant concern. Thus, maintaining high levels of safety standards as well as providing the latest ways to improve safety poses a critical challenge.



SOLUTIONS

Integrating mobile workforce management solutions within the upstream oil and gas industry improves the efficiency of field operators, office staff and the entire workforce as a whole.

Right from safety and customer service, to asset tracking and data accuracy, the following solutions can address challenges mentioned above. By adopting mobility within the workforce, it enables employees to take quick decisions from the field thus facilitating performance, safety and an overall boost in productivity.



Hours of Service

- Within the oil and gas industry, Hours of Service (HOS) monitoring and compliance plays a very important role as companies are supposed to maintain strict tabs over the manual logs of work clocked in by the workforce. Direct paperwork and log records are tough to maintain and are highly prone to being tampered with.
- Thus, electronic log (E-Log) enables users to login real-time, communicate with senior management as they progress through the day's work and provide any urgent notifications.
- This solution eliminates the requirement for paperwork, which saves time and improves compliance with real-time monitoring.



Field Ticketing & Work Order Management

- An inefficient work order management can affect the entire work process within the upstream oil and gas industry as money gets wasted in staffing resources as well as time.
- This solution includes field tickets or work orders that are electronically dispatched to the field operator from the office staff which contains the entire task lists to be performed for the day.
- This eliminates unnecessary paperwork as there is no manual data entry. Right from login to log off all field operators' work order information stays intact thus guaranteeing speed in task completion as well as accuracy.



BYOD

- Security plays a vital role within the oil and gas industry as more and more employees are accessing corporate information from personal mobile devices which thus highlights the need for strategy, policy and technical security controls.
- BYOD (Bring Your Own Device) delivers a robust, simple, scalable and secure method to allow your enterprise to allow users to access corporate information from their personal devices.



Field Support

- Since the entire workforce operates at remote locations, they lack information regarding the latest events and recreational spots around them. Thus, with the help of this application it provides notifications about locations to watch out for, the best places to eat and sleep, what to do on weekends etc.
- Tracking expenses and maintaining reports on a cyclical basis is always an issue. This application provides real-time current travel arrangements and automated expense reporting into the mobile device.
- Sometimes large invoices remain unpaid due to discrepancy over work hours not being reported. With the help of this application, it provides digital timesheets and time stamping which provides real time resource allocation thus eliminating any employee disputes.
- Industry specific calculators, unit converters, MSDS forms, customized technical manual information uploaded for different equipments are also a part of this feature.



Work Alone Safety

- Lets you know what your field workers are currently working on and where exactly they are even if they are working at hazardous locations.
- All their activities right from login to log off is tracked and time-stamped thus maintaining real-time contact with the office. (This is possible even if the worker is in an area with no cellular coverage)
- In case there is no check-in or response from the worker, the office is automatically alerted thus guaranteeing a safe and secure work environment.
- Working premises are geo-fenced to include local emergency and non-emergency information for issues while on and off the clock.
- Compliance is an issue within this industry as it is a time consuming process to get field crews to fill out and submit paper safety forms; after submission, processing it also takes time. Most of the employees report no issues so as to save time. Thus, this application implements safety procedure directly into the workflow with real-time hazard reporting and associated issues related to specific personnel, tasks or locations.
- As oil and gas industries are located across varying geographies, our solution provides standardized forms and procedures thus crossing geographical and language barriers.
- Bringing together workforces located across different countries on to a single platform or meeting to discuss work techniques, procedure updates and training is time consuming and expensive. Thus, this solution provides training and vital information which can be accessed by all field personnel at any time and from any part of the globe.

A photograph of a business meeting. Several people in business attire are seated around a table. In the foreground, there are documents with blue bar charts and a silver pen. The word 'BENEFITS' is overlaid in large red letters on a dark grey rectangular background on the left side of the image.

BENEFITS

Mobile workforce management helps upstream oil and gas industries improve their overall productivity and optimization of resources by

- ✓ Improving field worker safety and reducing the risk of workforce injuries
- ✓ Systematic allocation of appropriately skilled workers to each job
- ✓ Minimizing paperwork and boosting field worker efficiency with accurate data capturing
- ✓ Reduced maintenance costs
- ✓ Improving optimization and scheduling of field resources and work, thus achieving greater field productivity
- ✓ Real-time monitoring of assets and workforce thus assuring timely reporting and audit transparency

Regardless of your workforce size, we provide customized mobile workforce management solutions which allow your enterprise to use accurate data to optimize business practices. Our solutions provide you the most effective ways to manage your workforce, perfectly tailored to your business needs and integrated with your existing infrastructure to help you deal with the unique issues you face.

CONTACT

Mobisoft Infotech is a mobile, web and cloud based solutions provider that brings forth beautiful and innovative mobility solutions to resolve complex business problems of startup, SME's and Large Enterprises.

We are mindful of the fact that innovation is a key player of a match. Nevertheless we bring in the right amount of innovation to suit individual businesses. The substantiality that every business requirement is different, we deliver well-designed solutions. Backed with numerous years of evident experience, technology skills, and industry know-how, we have gradually accelerated our accomplishments.

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