Shipcom helps ENSCO International to significantly improve Supply Chain and Asset Management

Ensco International Incorporated ("ENSCO") is a premier global offshore Oil & Gas drilling contractor, a service which is essential to Energy companies in their worldwide exploration and development efforts. The company's fleet of 52 rigs (including six ultra-deepwater rigs under construction) is strategically located in the most prolific domestic and international Oil & Gas markets.

The ENSCO Business Challenge

The combination of challenges that Oil & Gas companies face, including operating globally in numerous remote sites, having offshore facilities with communication challenges and the need to maintain extremely complex and mission critical equipment makes this industry's asset and inventory management and maintenance a monumental challenge. The ongoing data management of inventory and spare parts on rigs was a challenge primary due to the complex presentation of operational data ENSCO was facing in their corporate ERP (PeopleSoft), with rigs moving around constantly, the issue was contributed to the need for the solution caused by delayed data entry, exhaustive paper work and the complexity of PeopleSoft transactions for their "EDGE" workers.

CHALLENGES

- Lack of consolidated overview of Inventory and assets globally

- Synchronization challenges with PeopleSoft from "Offshore"

- Connectivity challenge on rigs

- Need for simple processes and screens usability for workers

- Need to automate processes via Mobile computers and barcode

SOLUTION

The solution provided an integrated approach that allowed ENSCO to automatically collect and utilize data end-to-end across their operational areas, in real-time (shop floor to top floor). It gathers data directly from mobile and automated input devices, verifies its accuracy, provides enhanced functionality and processing as needed, and passes the data to PeopleSoft for immediate update. It also manages the entire network of collection devices, including all user input prompts.

Today ENSCO has the ability to access the corporate data from PeopleSoft applications on computers or mobile computers on more than 52 offshore rigs and 4 warehouses all around the world, even when the rigs are "Silent", during a rig move.

The Solution Consist of:

- Simplifying the GUI/screens on computers or mobile computers
- Simplifying the work flows for users
- Accessing various modules of PeopleSoft simultaneously from remote sites
- Synchronizing enough and complete data between corporate and offshore mobile computers and work stations to perform business as usual in a connected, disconnected and occasionally connected modes
- increasing screen refreshment speed
- automating workflows using Auto- ID technology
- Streamlining and consolidating multiple PeopleSoft screens into a simple role based flow
- Mobilizing PeopleSoft at the "EDGE" of the Enterprise.

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Summary

- Increased efficiency of key inventory processes
- Improved ability to locate inventory at various locations (Warehouse & Rigs)
- Improved visibility of the entire inventory lifecycle
- Improved visibility of key assets
- Enabled the ability to drive efficiencies and increased visibility up and down the supply chain
- Extended PeopleSoft to the point of transaction via mobility. PeopleSoft in the "Palm of your hand".
- Leverage automated data collection technology where applicable.
- Provided the most current and future-proof integration leveraging web services & SOA

Shipcom's solution helped ENSCO with workflow simplification and operational visibility through successfully deploying advanced mobile solutions. Furthermore, extending PeopleSoft's applications to the "Edge" (last mile of data access) environments. Shipcom's CATAMARAN solutions enabled end-to-end, real-time information integration by closing the gap between back-office business applications that relied on operational data collecting, filtering, analyzing and synchronizing data into ENSCO's PeopleSoft system.

The agility of CATAMARAN's PeopleSoft integration, workflow simplification and Process Synchronization enabled timely information synchronization of data and processes between ENSCO's PeopleSoft and business processes being performed on computing devices at the "Edge".

BENEFITS

The ability to extend Enterprise Resource Planning (ERP) applications using advanced mobility, BPM and workflow simplification has proven to be highly desirable within the Oil & Gas industry - especially for "Edge" environments such as offshore rigs, refineries and pipelines.

Other benefits included:

- Movement to common processes and standards of operation
- Global coordination and collaboration between business units
- Improvement in operational flexibility and visibility
- Speed and time-to-market
- Improved and proactive preventive maintenance
- Ability to communicate and synchronize data withthe corporate ERP accurately & efficiently

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Shipcom Wireless, a Houston based company, is a leading provider of event-driven composite applications. We deliver high value to your enterprise by automating and digitizing business processes and ensuring a simplified workflow by implementing best practices and cutting edge technology to make day to day operation tasks easier for edge workers in upstream, midstream, and downstream segments throughout the energy sector.

Shipcom has a over 300 Installations in 22 different countries for global blue chip companies. We bring to the table a credibility that is time-tested and acknowledged by best-of-breed enterprises worldwide. Shipcom's composite applications transform data into information which translates into the knowledge necessary to enable faster and more exact decision making. These applications work seamlessly with leading ERP (Enterprise Resource Planning) systems such as SAP, JD Edwards, PeopleSoft, E-Business Suit and existing legacy systems.

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