

SONGA OFFSHORE STANDARDIZES OPERATIONS WITH IFS AND PREPARES FOR DIGITALIZATION



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Songa Offshore, an international midwater drilling contractor active in the harsh environment of the North Atlantic basin, uses its integrated ERP foundation as a springboard for digital innovation: the next generation maintenance. As an early adopter within IoT, Songa Offshore now plans to go from calendar-based to condition-based maintenance to ensure uninterrupted, cost-effective operation of all the rigs.

“Our new modern fleet is now in place and we will soon be a dominant contractor in Norway,” says Cato Sola Dirdal, IT/IS Director at Songa Offshore.

For drilling contractors, long-term assets management and maintenance are a top priority, since downtime directly affects the overall result. In 2014, alongside extensive company growth, Songa Offshore chose IFS Applications™ to support onshore and offshore operations within maintenance, supply chain, document management, and financials. The choice was a result of Songa Offshore’s company-wide efficiency and improvement initiatives.

As the business owner of the IFS Applications delivery, Sola Dirdal explains, “It was important to get a software platform that could help us standardize our business processes, to analyze our business activities for better efficiency and for future improvements, and at the same time help us improve decision-making through data analysis.”

BROAD SCOPE IN PROJECT

When Songa Offshore expanded its fleet with four top-modern and highly specialized rigs, IFS Applications was implemented both there and partly on the legacy rigs. The scope of the project was ambitious; it involved the whole company, and numerous activities were to be executed during the period. Despite the challenges, the implementation was completed thanks to both the usage of IFS’s standard business software and a dedicated team. Now, IFS Applications has 150 users onshore and nearly 550 offshore. Any lessons learnt?

“The organization really needs to be prepared for change, especially the key people who will continue to drive future improvements,” says Sola Dirdal.

CROSS-FUNCTIONAL AND PROCESS DRIVEN

The overall benefits of the new, integrated ERP solution include more connected processes—stretching across departments and functions—consolidation of systems, easier integration with other systems, improved TCO monitoring, and an improved data foundation with new analysis and reporting possibilities. The company now holds a common view of maintenance and logistics. Another example of new advantages is the centralization of functions, such as in the central warehouse in Mongstad from where Songa Offshore can provide a cost-effective and high-quality service.

ABOUT SONGA OFFSHORE

Songa Offshore is an international midwater drilling contractor with a strong presence in the North Atlantic basin. Operating a fleet of seven semi-submersible rigs, Songa Offshore and its 900 employees leverages specialist competence, technological leadership, and a robust Norwegian offshore heritage. The company’s mission is to provide cost-effective and high-quality service to ensure uninterrupted operation of all the rigs.

www.songaoffshore.com

BENEFITS

- A comprehensive, standard drilling industry solution
- An integrated ERP platform enabling digital initiatives
- Consolidation of cross-functional processes
- Improved overview and common view
- Improved data quality and analysis capabilities
- Replication functionality that enables non-stop operations

ESSENTIAL REPLICATION FUNCTIONALITY

Another key functionality in IFS Applications is the replication module, which enables Songa Offshore to share, analyze and re-use information across its fleet efficiently, despite offshore communication challenges. High availability of the asset management system is extremely important to any drilling contractor, and the replication functionality means that Songa Offshore can operate local rig installation even when shore communication is unstable or down.

“All rigs need to be able to operate as a standalone location in order to provide maximum support to the drilling activities and improve the uptime on the ERP system,” says Sola Dirdal.

By selecting IFS, Songa Offshore has chosen the leading vendor in the rig operator market, a vendor with a proven track record. Songa Offshore as a company wouldn't survive without being innovative. We're happy that IFS shares this vision.

Cato Sola Dirdal, IT/IS Director at Songa Offshore

DIGITAL INNOVATION WITH IOT AHEAD

Songa Offshore now focuses on further efficiency and improvements of the ERP solution, through simplification and automation. The process-driven approach will focus on a company-wide delivery model, which will optimize how Songa Offshore works internally and with its suppliers.

The integrated ERP solution has provided Songa Offshore with a suitable foundation for digital innovation. One project really stands out: the realization of high-performance condition-based and predictive maintenance with the help of IFS IoT Business Connector™. Signals from sensors attached on e.g. engines and pipes will be collected and transferred into IFS Applications, where maintenance initiatives are triggered and work orders generated automatically.

Sola Dirdal holds high hopes, “When you operate advanced, complex, and fully integrated digital assets, it would be extremely workload demanding to maintain these assets the conventional way. Instead, we want our intelligent equipment to tell us when it needs to be repaired. The first phase of the project involves 600 assets on each rig, where maintenance will be triggered based on hours in use of an asset. Imagine collecting 600 asset readings and then registering these in maintenance system every hour manually on every rig—it says something about the potential improvement.”



Further information, e-mail to info@ifsworld.com, contact your local IFS office or visit our web site, IFSworld.com

