

# Joined Forces to Reduce Fuel Consumption



Kongsberg Maritime has formed a partnership with DOF, SINTEF Ocean and NORCE, which aims to reduce fuel consumption and greenhouse gas emissions for complex offshore operations while streamlining fleet-wide maintenance.

Enabled through sponsorship and support from Innovation Norway, the new partnership between four of Norway's most maritime organizations will develop a new Decision Support System (DSS) for offshore vessel operations. This tool will act as the foundation for DOF to simplify operational complexity with objective measurement, ultimately enabling optimal utilization and more sustainable fleet management.

## Catalyze a Tangible Transformation

Highlighting the potential of the partnership to catalyze a tangible transformation, the multi-year project is backed with Innovation Norway's largest funded offshore vessel, environmental technology project in 2018. It will be a gamechanger in how marine operational decisions are supported by providing more accurate, timely, and easily consumable information to decision makers; from the vessel's Chief Engineer to the Chief Operation Officer based shore-side.

## Intuitive Presentation and Application

"The partnership is focused on building a platform for intelligent efficiency, made possible only through the integration of operational, information and communication technologies," said Eirik Mathiesen, Director of Energy Products Integration, Kongsberg Maritime. "Encompassing IoT, new smart sensors on board will stream accurate data to the cloud-based DSS, where deep analysis with intuitive presentation and application will drive equitable and predictable operational performance."

## Minimal Environmental Impact

"Going 'smart' is integral to maintaining our position as the number one OSV ship manager today and into the future, in a sustainable way," said Lars Christian Larsen, Senior Project Manager for Energy Management, DOF. "Smart is not just deploying the right technologies. Developing our culture to focus even more on sustainable operations with minimal environmental impact will be as important as the technology we create with KONGSBERG, SINTEF Ocean and NORCE. DOF's maritime experience together with the collection of big data in an operationally logical way will ensure success."

## Reduced Power Consumption

"Information is power, and when that information relates directly to power consumption, it can revolutionize vessel operations, from onboard electrical load management to route optimization for passage by sea," said Anders Volland, Research Manager, Maritime Energy Systems, SINTEF Ocean.