

Wärtsilä Fleet Operations Increase Safety and Efficiency in Arctic waters



The technology group Wärtsilä has been contracted by Sovcomflot, Russia's largest shipping company, to roll out a Wärtsilä Fleet Operations solution for their fleet of Arctic shuttle tankers. The aim is to promote sustainable development and to increase the safety and efficiency of operations in the sensitive Arctic waters. Wärtsilä will also provide a core solution for the company's fleet operation centre.

The solution has been developed as a result of the collaboration between Sovcomflot and Transas, a Wärtsilä company. It provides a unique integrated infrastructure that combines the bridge systems, cloud data management, data services, decision support tools, and access to real-time information. In addition to the significant efficiency benefits, the solution also offers operational cost reduction advantages.

Onboard Automation

"The Fleet Operations solution is an important element within Wärtsilä's Smart Marine Ecosystem approach, which employs high levels of onboard automation, integrity and computerized decision support for safer and efficient navigation. The solution is fleet-size. It enables smart situational awareness, automated voyage planning and optimization, digital (paper-less) navigation, and remote technical support, all of which add considerable value to fleet operations," said Vladimir Ponomarev, director, Voyage Solutions, Wärtsilä Marine.

Shared-decision Making

The Fleet Operations solution agreement signed with Sovcomflot comprises the upgrade of the navigation systems installed onboard the company's vessels operating in Arctic waters. The upgraded onboard systems will ensure real-time ship-to-shore data exchange, thus connecting the onboard equipment with Sovcomflot's operation centre to enable shared-decision making.

Fleet Operation Centre

The Sovcomflot shuttle tankers are operating year-round in Russian Arctic waters. The project is expected to be completed before the end of this year. The fleet operation centre, located in the company's St Petersburg headquarters, has already been commissioned.