



K-Sim Navigation ship's bridge simulators are used by the Panama Canal Authority to ensure maximum realism in training scenarios for building crew and operator sea skills

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Kongsberg Digital to provide the Panama Canal Authority with simulators for multi-vessel training scenarios

Kongsberg Digital has signed a contract with the Panama Canal Authority (ACP) to upgrade and extend the K-Sim Navigation simulators based in SIDMAR; the Center for Simulation, Research and Maritime Development of the Panama Canal Authority. Equipped with the new technology, the Panama City-based center will be able to include multiple vessels in training scenarios and extend the realism of the simulator training provided for pilots

and tug masters.

Scheduled for August 2021, this substantial upgrade will involve a broad scope of delivery. The center's main K-Sim Navigation simulator will be upgraded with new visual image generation and display/projection systems, and an array of new consoles and hardware (HW) panels. In addition, a unique new floor projection system will be installed to replicate the port and starboard views from the bridge wings. This feature will allow trainee officers on the main bridge to monitor the tugs and pilot boats in – for example – demanding port and tug maneuvering scenarios with vessels in close proximity.

Two entirely new K-Sim Navigation bridge simulators are also included with the delivery. One will be configured specifically to duplicate a full-mission tugboat bridge with the capability of simulating various types of tug propulsion systems including Voith, Schottel and Azimuthing Stern Drive (ASD). The 360° vertical displays on the new bridge simulators will enable student tug masters and pilots to train together with the crew members on the main bridge, while a new CCTV system and KONGSBERG's award-winning instructor stations will make the creation and individual assessment of exercises more accurate than ever.

“We’ve enjoyed a fruitful working relationship with the Panama Canal Authority for many years,” adds Andreas Jagtøyen, EVP, Digital Ocean, Kongsberg Digital, “and it’s very satisfying to know that we can continue providing SIDMAR with our cutting-edge simulation technology, which now will be integrated for multi-vessel training scenarios. The commitment the Authority has shown with this large-scale K-Sim extension and upgrade confirms its faith in our simulation technology and bodes very well for our ongoing mutual development.”

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KONGSBERG DIGITAL

Kongsberg Digital, a subsidiary of KONGSBERG, is a provider of next-generation software and digital solutions, to customers within maritime, oil and gas, and renewables and utilities. The company consists of more than 500 software experts with leading competence within the internet of things, smart data, artificial intelligence, maritime simulation, automation and autonomous operations. Kongsberg Digital is the group-wide center of digital expertise for the KONGSBERG group.

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