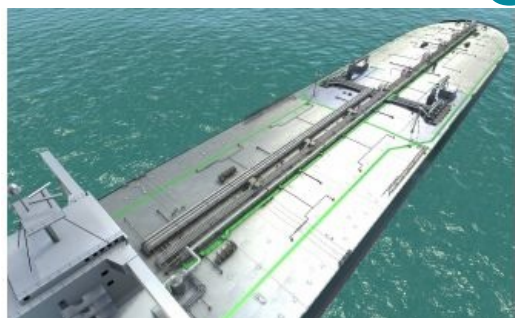


Kongsberg Digital Launches New 3D Virtual Application for K-Sim Cargo Simulator



[Kongsberg Digital](#) has launched a new 3D virtual application for its K-Sim Cargo simulator. The system generates high-fidelity visualisation for operational training on important areas of the cargo deck, enabling training centres equipped with K-Sim Cargo to deliver even more value to their customers while meeting the industry need to secure the safety and efficiency of cargo transfer operations.

The new 3D virtual solution is a direct response to customer requests for high fidelity outside deck area training to accompany the existing 3D engine room capabilities of Kongsberg's K-Sim Engine simulator. The first 3D virtual model for K-Sim Cargo is based on a customised simulation model of a Very Large Crude Carrier (VLCC), M/T "Kiho" that will be delivered to Magsaysay training center in Manila next month. Kongsberg's existing standard K-Sim Cargo ship-models will receive similar virtual solutions in the years to come.

As realistic as possible

The K-Sim Cargo virtual model simulates the deck area in 3D, enabling the student to zoom in and interact with valves, flanges, cargo tank hatches, pressure vacuum valves and crude oil washing (COW) machines for local, hands-on operation. Visual effects such as leaks and hose connections are included to add even more realism, contributing further to the quality of training available for general and hazardous cargo operations.

The K-Sim Cargo simulator includes a range of cargo vessel models, all of which are certified by DNV GL and exceeding the existing STCW requirements. All K-Sim cargo models are developed based on actual ship specifications and performance data, making the simulator as realistic as possible. K-Sim Cargo provides high quality training in every aspect, from details in a single sub-system to the overall running of a loading or discharge operation, including handling of emergency situations.

Kongsberg will continue to develop their K-Sim Cargo models by adding visualised deck area systems in 3D in the years to come, explained product manager, Leif P. Halvorsen. He added Kongsberg has received excellent feedback on the corresponding systems for their K-Sim Engine models and this leads to a demand for similar systems in the K-Sim Cargo models. Halvorsen believes the training value will increase significantly by adding this 3D feature.

<https://www.hydro-international.com/content/news/kongsberg-digital-launches-new-3d-virtual-application-for-k-sim-cargo-simulator>
