A state-of-the-art K-Sim Engine simualtor is successfully installed at IMEI's head office and training centre in Mumbai, India.

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KONGSBERG delivers K-Sim Engine simulator with MAN ME configuration to India

Asker, April 9, 2019 – Kongsberg Digital (KDI) has successfully completed the delivery, installation, Site Acceptance Test and handover of a K-Sim Full Mission Engine Simulator to The Institute of Marine Engineers (IMEI) in India.

The state-of-the-art simulator was installed in IMEI's head office and training centre in Mumbai, India this February, to prepare post-sea marine engineers for their Certificate of Competency examination, conducted by India's

Directorate General of Shipping.

By presenting marine engineers with an exhaustively thorough series of realistic and appropriately targeted training scenarios, K-Sim Engine simulators enable instructors to construct exercises covering all processes and techniques to do with the smooth running of an engine room, ranging from manoeuvring, boiler/turbine operation and control loop optimizing to fault diagnosis and crisis management.

"Completing the delivery aspects of the contract is a key milestone in our partnership with IMEI, which will continue for many years as we deliver updates and upgrades through our Long Term System Support Program," says Erik Hovland, Vice President Strategic Projects, Kongsberg Digital. *"This is an important and strategic contract in a exciting market. India will continue to deliver a substantial number of seafarers, many of whom will be trained on K-Sim simulators."*

Since the environmental aspect is an important part of operating ships, the optimization of engine performance is essential. Kongsberg Digital has focused on developing and delivering a simulator model which most exactly replicates the engine control system (ECS) onboard. The simulator's engine control system facilitates monitoring and control of starting air valves, governor functions, aux blowers, fuel injection, exhaust valves and cylinder lubricators. The Main Operator Panel (MOP) displays are based on MAN's own MOP displays. Further, to enable low emission operation, fuel tanks for low sulphur HFO as well as exhaust gas scrubber are included in the model. Through K-Sim Engine, IMEI trainees will gain a deep understanding of the MAN ME intelligent engine as well as KONGSERG's control system, since the main engine remote control is based on the company's AutoChief 600 control system.

"*We would like to extend our thanks to KDI for their timely, efficient and most professional project management*," adds Mr. CV Subba Rao, President, IMEI. "*The simulator installation went very smoothly and without a hitch. On behalf of all of us here at the institute, I'd like to thank the KDI team, and I look forward to a long and mutually beneficial relationship between our two organisations*."

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About Kongsberg Digital

Kongsberg Digital 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 one of three business areas of KONGSBERG, an international, knowledge-based group delivering high technology systems and solutions to clients within the oil and gas industry, merchant marine, defense and aerospace, renewable energy and the utility industry. KONGSBERG has 7,000 employees located in more than 25 countries and total revenues of NOK 14.5 billion in 2017. Follow us on Twitter: @kongsbergasa.

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