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Kongsberg Maritime: New Customised KONGSBERG Engine Room Simulator Model for Royal Australian Navy Training

The Commonwealth of Australia (CoA), Department of Defence has contracted Kongsberg Maritime to develop and deliver a new K-Sim Engine simulator model to the Royal Australian Navy's HMAS Cerberus training facility located south of Melbourne, Australia. The new model will run on the existing KONGSBERG K-Sim Engine desktop simulator delivered to HMAS Cerberus in 2013, which is maintained under a Long Term System Support Program (LTSSP) agreement signed in 2015.

The customised simulator model is a high-fidelity representation of the engine room configuration on the LSD(A) (Landing Ship Dock (Auxiliary)) vessel, HMAS Choules. The full scope of supply consists of the new model with a Big View interactive mimic showing 3D virtual systems and fully interactive switchboard mimics for the engine control room.

The LSD(A) delivery is part of the CoA implementation plan to increase the use of simulators in training. The simulator model has been procured within the Ship Specific Component (NMP 1935) of the Marine Technician Lead in Simulator (MT LIS) and is complementary to the generic simulator capability in HMAS Cerberus (NMP 1930). The model reuses existing K-Sim Engine simulator infrastructure such as base simulator software, in addition to the hardware and the competence already gained by HMAS Cerberus instructors.

Since the Force Structure Review 2008, the Australian Defence Force's strategic guidance has increasingly focused on the use of simulation to increase force generation capacity in a cost effective manner. One of Navy's responses to this guidance has been to increase progressively the efficiency and effectiveness of its training and qualification system using simulation-based training ashore to increase the effectiveness of the training and the operational availability of platforms; and reduce the risks that the training poses to the safety of personnel and the integrity of equipment.

"Kongsberg Maritime was chosen following the CoA's positive experience of the customised K-Sim Engine full mission simulator delivered in Sydney for the training of engineers aboard the RAN's Canberra Class Landing Helicopter Dock (LHD) vessels and the desktop K-Sim Engine simulator delivered at HMAS Cerberus," said Tone-Merete Hansen, Global Sales Manager, Kongsberg Maritime. "With KONGSBERG's support, the LHD Engineering System Trainer (LEST) has significantly improved training for LHD vessel engineering personnel. The new K-Sim Engine LSD(A) model will extend the RAN's training capabilities, offering the same operational benefits through high quality simulation training."

Ends

Image caption: Petty Officer Marine Technician Lawrence Perriera teaches a class in the Marine Technician Lead in Simulator with KONGSBERG's K-Sim Engine room simulator at the Engineering Faculty at HMAS Cerberus, Victoria.

The Engineering Faculty of HMAS Cerberus has undergone significant upgrades in its training facility for Marine Technician sailors joining the Navy. Inclusive but not limited to new KONGSBERG simulators in Diesel Generator Cell, Containerised Diesel Power Generators , Ships Services Diesel Generator System Simulator and a state of the art Maritime Technician Lead in Simulator.

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For further information, please contact:

Anne Voith
Kongsberg Maritime
Tel: +47 33 03 23 16
Anne.voith@kongsberg.com

About Kongsberg Maritime

Kongsberg Maritime is a global marine technology company providing innovative and reliable technology solutions for all marine industry sectors including merchant, offshore, subsea and naval. Headquartered in Kongsberg, Norway, the company has manufacturing, sales and service facilities in 20 countries and a total of 65 worldwide offices.

Kongsberg Maritime developed systems for vessels cover all aspects of automation, control, navigation, safety and dynamic positioning. Kongsberg Maritime also develops subsea solutions covering systems for Underwater Mapping (UMAP), Underwater Navigation (UNAV), Subsea Monitoring (SUMO) and Marine Robotics in addition underwater cameras.

Marine and offshore training simulators, LNG equipment, information management software, position reference systems, integrated aquaculture technology and advanced products to support seismic and drilling operations are also part of the company’s diverse portfolio.

In parallel with its extensive technology portfolio, Kongsberg Maritime provides services within EIT (Electro, Instrument & Telecom) engineering and system integration, on an EPC (Engineering, Procurement & Construction) basis.

Kongsberg Maritime delivers solutions that cover all aspects of technology underwater and on the water, aboard new build and retrofit vessels, and on offshore platforms and rigs, often under a single supplier strategy called The Full Picture.

Kongsberg Maritime is part of Kongsberg Gruppen (KONGSBERG), an international, knowledge-based group that celebrated 200 years in business during 2014. KONGSBERG supplies high-technology systems and solutions to customers in the oil and gas industry, the merchant marine, and the defence and aerospace industries.

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