Transas Engine Room Simulator for Institute of Technical Education, Singapore

October 18, 2013, Singapore. Transas Marine has installed a Full Mission Engine Room Simulator at Institute of Technical Education (ITE), Singapore. With installation of this simulator, ITE will be able to train students to operate machinery of MAN B&W 60MC Tanker LCC.

A broad range of skills, acquired during the course, enables trainees to minimize adaptation time onboard and reduce training time at sea. During this course, students will learn to perform basic maintenance of electrical equipment, align, install and repair marine machinery, maintain marine control circuits, verify measuring instruments, perform quality control and assurance, design and fabricate jigs and fixtures, inspect ship systems and machinery components, supervise work on machining systems, assist to execute commissioning and testing activities.

Students, who will have accomplished the course, will receive a certificate, allowing them to advance their careers as marine supervisor and foreman (mechanical).

The configuration of the full mission simulator is designed to train advanced operation, troubleshooting, it also includes resource management training, as well as final training and certification. One of the key features of the new platform is the advanced 3D visualization. System diagrams can be displayed on a multi-display video wall for monitoring and control. Operations can be carried out from the 3D visual model.

The newest generation models are fully compliant with the most recent STCW requirements. The full mission engine room simulator ERS 5000 is designed to meet the requirements of IMO Conventions and Resolutions, as well as IEC standards.

Graham Wagstaff, Business Development Manager, Transas Marine International, commented: "Transas has completed the installation of a full mission engine room simulator at the prestigious Singapore Institute of Technical Education (ITE). The full mission simulator will be used to teach the operation and troubleshooting of marine propulsion, auxiliary and electrical equipment. Having identified faults in the simulator, students from the Higher Marine engineering course will carry out repairs on real equipment located in the state of the art training workshop. Transas is pleased to have assisted in the development of this unique training methodology".
The Institute of Technical Education (ITE), Singapore, was established as a post-secondary education institution in 1992 under the Ministry of Education. ITE is a principal provider of career and technical education and key developer of national occupational skills certification and standards to enhance Singapore's workforce competitiveness. ITE mission is to Create Opportunities for School Leavers and Adult Learners to Acquire Skills, Knowledge and Values for Employability and Lifelong Learning in a Global Economy. Positioned as a College of Creativity and Innovation, the new ITE College Central is co-located with ITE Headquarters, which occupies a land area of 10.6 hectares, home to some 10,400 students and more than a thousand staff.