Maritime Innovation & Development Centre

Our Centre
The Maritime Innovation and Development Centre (MIDC) at Singapore Maritime Academy (SMA) is an ‘Industry-Singapore Polytechnic’ collaborative effort. The I & D facility aims to provide IT-related services to Maritime Industries. Our major thrust is in the development of multimedia electronic performance support systems, computer-based training programs, and web-based training and assessment programs.

Our Vision
To bring innovative software into the industry as well as SMA classrooms.

Our Expertise
- Computer-based Training Software
- Web-based Training Software
- Electronics Performance Support System
- Knowledge-based System
- Customised Software Development
- Mobile Application and e-Book Development
- Other Multimedia Services
MANTRA
Electronic Training & Record Book
MANTRA for A.P.Moller is an electronic solution to track the training of Deck and Engine Cadets by the shipping companies.

Ship Staff Assessment System
Developed for assessing ship staff, and identifying the knowledge gaps and training needs.

HIV/AIDS Be Safe Not Sorry
This CBT on HIV/AIDS awareness for merchant navy officers was produced for UNESCAP.

Air Compressor
A comprehensive performance support system for operation and maintenance of air compressor and its electrical control system.

Maritime Environmental Awareness
This program highlights the current environmental issues and initiatives undertaken so as to raise the standard of awareness.

ABB Turbocharger : TPL...B
This is a performance support tool operation and maintenance of TPL...B turbochargers.

Bunker Quality Survey
This interactive CBT enhances the competency of a DNVPS bunker.

Operation and Maintenance of High Pressure Water Jet System
This EPSS produced for Heatec (Asia Pacific) Pte Ltd coaches in the operation and maintenance of the BC EL-20 high pressure water jet system.

Cargo Hold Humidity Control
A software developed to help ship staff in controlling humidity in cargo hold to prevent moisture damage.

Partners and Clients
Maritime and Port Authority of Singapore
Joint United Nations Programme on HIV/AIDS
Neptune Ship Management Services Pte Ltd
A.P. Moller Singapore Pte Ltd | Det Norske Veritas
DNV Petroleum Services Pte Ltd | MasterBulk Pte Ltd
Heatec (Asia Pacific) Pte Ltd

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