

# Marine Engine Simulation

- References -



➤ German Navy (Germany)

**Frigate F125 (Running project)**

**Simulation and Simulation Based Training for new-building Frigate 125**

**Parts**

**Platform**

**External Communication**

**Internal Communication**

**Battle Damage Control Communication**

**Infrared Sensor Observation & Monitoring**

➤ **German Navy (Germany)**

**Frigate F124**

Special version of simulator for Frigate 124 for the German Navy  
LBTS, OBTS,  
Train the Trainer Course Simulator

**Corvette K130**

Special version of simulator for Corvette 130 for the German Navy  
LBTS, OBTS



### ➤ German Navy (Germany)

#### Computer Based Training Solutions

##### ECDIS

‘Magnetic Self Defence (MSD) System‘

‘Basic principles of telecommunication‘ → ‘Configuration and function of a myriametric wave system - Equipment engineering for radio station (module 2)‘

‘Basic principles of telecommunication‘ → ‘Basics processor periphery/technique (module 3)‘

‘Medical emergencies on board‘

‘Operation First Aider A in medical service (Module 3+4)‘

‘Modular Emergency System *Multi-purpose Support Unit*‘



➤ **RSN, Republic of Singapore Navy (Singapore)**

**Patrol Vessel**

**PC Network Version PV Simulator (MTU HSDE)**

**LBTS with 3 instructor + 16 trainee stations**

**OBTS with 6 mobile trainee stations**

**Train the Trainer Course Simulator**

**Landing Ship Tank**

**PC Network Version LST Simulator (Ruston MSDE)**

**LBTS with 3 instructor + 16 trainee stations**

**OBTS with 6 mobile trainee stations**

**Train the Trainer Course Simulator**

➤ **RSN, Republic of Singapore Navy (Singapore)**

**Frigate Emulation Platform Systems**

**PC Network Version**

**4 instructor + 20 trainee stations**

**Train the Trainer Course**

**Animated Assisted Maintenance Training for MTU S8000 Engine**

**PC Network Version**

**4 instructor + 20 trainee stations**

**Train the Trainer Course**

**Patrol Vessel (Update)**

**PC Network Version**

**4 instructor + 20 trainee stations**

**Landing Ship Tank (Update)**

**PC Network Version**

**4 instructor + 20 trainee stations**



➤ **TU Varna (Bulgaria)**

**PC Single Version SSDE, Version 2.4**

➤ **Columbia S. E. N. A. (Columbia)**

**PC Network Version SSDE, Version 2.4**

**1 instructor + 4 trainee stations**

**Train the Trainer Course Simulator**

**GMDSS & Radar Simulator**

➤ **Polytechnikum Dubrovnik (Croatia)**

**PC Network Version SSDE, Version 2.4**

**1 instructor + 4 trainee stations**

**GMDSS & Radar Simulator**



- **Estonian Maritime Academy Tallinn (Estonia)**

**PC Single Version SSDE, Version 2.4**

- **Maritime Academy Warnemuende (Germany)**

**Specifically adapted PC Version to Engine Control Room Console**

**Train the Trainer Course Simulator**

**Train the Trainer Course Maritime English**

- **Fachhochschule Stralsund (Germany)**

**Specifically adapted PC Version to Engine Control Room Console**



- **Fachhochschule Cuxhaven (Germany)**

Specifically adapted PC Version to Engine Control Room Console

- **MTU Friedrichshafen GmbH (Germany)**

Special version of engine simulator for MTU High Speed Diesel Engine  
Integration of original MTU MCS (Motor Control System)  
LBTS, OBTS for 'Baynunah Class Multipurpose Missile Corvette'



➤ **Semarang Growth Centre (SGC) (Indonesia)**

**Equipment of SGC and 7 PPAs**  
**Project consultancy and training**  
**Simulation Center**  
**Safety & Security Center**  
**Laboratory training**



➤ **PT MultiIntegra (Indonesia)**

**STP Jakarta**

**PC Network Version Medium Speed Diesel Engine**

**1 instructor + 10 trainee stations**

**Train the Trainer Course**

**SUMP Waeheru**

**1 PC Single Version Medium Speed Diesel Engine**

**1 MSDE Control Panel**

**Train the Trainer Course**

**SUMP Sorong**

**1 PC Single Version Medium Speed Diesel Engine**

**1 MSDE Control Panel**

**Train the Trainer Course**

➤ **PT MultiIntegra (Indonesia)**

**PT Puri Sawita Gading**

**1 PC Network Version Slow Speed Diesel Engine**

**1 instructor + 16 trainee stations**

**1 SSDE Control Panel**

**Train the Trainer Course**

➤ **Sinar Poseidon Gupita Jakarta (Indonesia)**

**2 PC Network Version SSDE, Version 2.4 (each with)**

**1 instructor + 12 trainee stations**

**Train the Trainer Course Simulator**

**GMDSS & Radar Simulator**

➤ **NKK Design & Engineering Corporation Tokyo (Japan)**

**PC Single Version SSDE, Version 2.4  
Train the Trainer Course Simulator**

➤ **MAN ORON Lagos (Nigeria)**

**Training vessel MV Hope of Ecovas (former MV Stoertebeker)  
Consultancy and Courseware  
GMDSS & Radar Simulator**

**PC Network Version SSDE, Version 2.4  
1 instructor + 4 trainee stations  
Train the Trainer Course Simulator**

**PC Network Version SSDE (Upgrade), Version 2.4  
1 instructor + 12 trainee stations  
Train the Trainer Course Simulator**

➤ **Nautical School Boemlo (Norway)**

**PC Network Version SSDE, Version 2.4**  
**1 instructor + 6 trainee stations**  
**Train the Trainer Course Simulator**

➤ **Baliwag Maritime Academy Manila (Philippines)**

**PC Network Version SSDE, Version 2.4**  
**1 instructor + 8 trainee stations**  
**Train the Trainer Course Simulator**  
**Train the Trainer Course Maritime English**  
**GMDSS & Radar Simulator**



- **Philippine Merchant Marine Academy, San Narciso (Philippines)  
(Project 'Upgrade PMMA' of KfW)**

**Training vessel RPLS Juan Luna**

**Fire-Fighting Training Center**

**Simulation Center**

**IT Training Center**

**Laboratory Training Center**

**Safety & Security Center**

**PC Network Version SSDE, Version 2.4**

**2 instructor + 30 trainee stations**

**2 Briefing/Debriefing stations**

**Train the Trainer Course Simulator**

**Train the Trainer Course Maritime English**

**PC Network Version SSDE, Software Upgrade Version 3.0**



➤ **Manuel S. Enverga University Foundation, Lucena (Philippines)**

**PC Network Version SSDE, Version 2.4**  
**1 instructor + 12 trainee stations**  
**Train the Trainer Course Simulator**  
**Train the Trainer Course Maritime English**

➤ **Mariner's Polytechnic College Foundation, Legazpi (Philippines)**

**PC Network Version SSDE, Version 2.4**  
**1 instructor + 12 trainee stations**  
**Train the Trainer Course Simulator**  
**Train the Trainer Course Maritime English**



➤ **Cagayan de Oro Capitol University, Cagayan de Oro (Philippines)**

**PC Network Version SSDE, Version 2.4**

**1 instructor + 12 trainee station**

**Train the Trainer Course Simulator**

**Train the Trainer Course Maritime English**

➤ **SEMA ELECTRONICAS, Lisbon (Portugal)  
(for Maritime School at the Azores Islands)**

**PC Network Version MSDE, installed in a 20 ft class room container**

**1 instructor + 1 trainee station + ECR control console**

**Train the Trainer Course Simulator**

➤ **Admiral Makarov State Maritime Academy (Russia)**

**PC Single Version SSDE, Version 2.4**



➤ **World Maritime University Malmö (Sweden)**

**PC Network Version SSDE**

**1 instructor station + 4 trainee stations**

**Train the Trainer Course Simulator (every year)**

