

Maritime Training Course Brochure

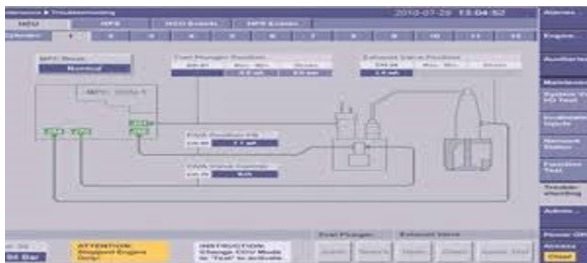
Our Cloud Simulator Portfolio

Live interactive training supported by cloud-based simulation for applicable programmes.

Training area	Cloud simulator systems
Engine room and propulsion	Engine Room Simulator; MAN B&W ME-C 9.2; RT-flex; X-DF / UNIC; DFDE; ME-LGIM; ME-LGIP; ME-GI simulator training.
Bridge and navigation	Bridge / Navigation Simulator; Ship Handling and Manoeuvring; Bridge Resource and Team Management exercises.
Cargo and bunkering	LCHS Oil, Chemical, LPG / Gas and LNG cargo simulation; LNG Bunkering; Methanol Bunkering.
Environmental systems	Alfa Laval EGCS / Scrubber Simulator; TECHCROSS Ballast Water Treatment System Simulator.

Simulator Photographs and Screenshots

ME engine control interface



Engine room simulator interface



Bridge simulator photograph



Chemical cargo simulator interface



Images: simulator photographs and interface screenshots published on tanushmarine.com.

coursebooking@tanushmarine.com | www.tanushmarine.com

+91 99871 43655 / +91 77100 37570 / 022 4569 5148

Deck Officers Courses

Navigation, ship handling and cargo operations.

Course	Duration	Content in brief
Bridge Team Resource Management (BTRM)	5 days	Passage planning, situational awareness, communication, workload sharing and bridge decisions.
Ship Handling & Manoeuvring Simulator	3 / 5 days	Berthing, anchoring, tug use, restricted waters, wind, current and shallow-water effects.
Voyage Planning Using ECDIS	On request	Route appraisal, safety settings, charts, sensors, monitoring and backup arrangements.
Type-Specific ECDIS Training	2 days	Equipment functions, route planning, chart management, sensors, alarms and operating limits.
Ice Navigation	2 days	Ice recognition, polar voyage preparation, operating limits and navigation risk controls.
Advanced Ice Navigation	3 days	Polar risks, ice information, manoeuvring, machinery limitations and emergency planning.
LCHS Oil Tanker Operations (Refresher)	2 days	Cargo planning, loading, discharge, inerting, stability, overfill prevention and simulator emergencies.
LCHS Chemical Tanker Operations	5 days	Compatibility, segregation, tank preparation, transfer, instrumentation and chemical-hazard response.
LCHS LNG Cargo Operations	5 days	Containment, boil-off gas, cooldown, transfer, ship-shore coordination and emergency shutdown.
Advanced Gas Tanker Operations	On request	Gas cargo systems, calculations, pressure control, hazardous operations and emergency management.
Crude Oil Washing & Inert Gas	2 days	COW planning, sequencing, oxygen control, tank atmospheres and inert-gas system safety.
Bulk Carrier Safety & Inspection	2 days	Structures, hatch integrity, cargo spaces, inspections, cargo hazards and deficiency prevention.
Safe Mooring & Equipment Management	1 day	Planning, line handling, line-of-fire hazards, equipment inspection, winches and communications.
Command Orientation	2 days	Command preparation, voyage planning, leadership, ship handling and emergency management.
Commercial Knowledge for Maritime Industry	2 days	Vessel commercial operations, voyage decisions, expenditure, delays and owner-charterer interests.
Log Carrier Operations	2 days	Timber cargo voyage preparation, stowage, securing, stability and safe operating precautions.
Hatch Cover Inspection, Operation & Maintenance	On request	Hatch components, weather-tightness, inspection, operating precautions, defects and maintenance.

Course dates, scope and applicable duration are confirmed at booking.

Engineers Courses

Electronic engines, dual fuel systems, machinery operation and electrical safety.

Course	Duration	Content in brief
ME-C 9.2 Electronic Engine Familiarisation	3 days	Electronic controls, starting sequences, interlocks, manoeuvring and simulator fault diagnosis.
ME-B/C Operation, Troubleshooting & Analysis	On request	Engine systems, performance analysis, alarms, troubleshooting and corrective actions.
RT-flex Engine Operation & Simulator	3 days	Common-rail systems, WECS 9520 control, injection, operating checks and failure response.
X-DF Dual-Fuel Engine / UNIC Control	1 day	Gas and diesel modes, UNIC controls, changeover, gas detection and shutdown logic.
DFDE Engine Operation & Maintenance	5 days	Dual-fuel generation, gas systems, power management, maintenance and blackout prevention.
ME-LGIM / ME-LGIP Engine Training	3 days	Methanol and LPG fuel systems, leak detection, purging, operation and safe shutdown.
ME-GI Engine Operation & Simulator	3 days	High-pressure gas injection, fuel supply, controls, changeover, safety and troubleshooting.
Engine Room Simulator & Team Management	3 / 5 days	Machinery start-up, dead-ship recovery, emergency response, alarm priorities and teamwork.
Advanced Marine Electrical	5 days	Distribution, generators, motors, switchboards, automation, protection and electrical fault finding.
High Voltage Safety	3 days	HV hazards, isolation, permits, switching, earthing, protective equipment and emergencies.

Courses Common to Both

Deck officers and engineers: resource management, cargo systems and bunkering.

Course	Duration	Content in brief
Marine Hydraulics & Pneumatics	2 days	Hydraulic and pneumatic circuits, pumps, valves, actuators, maintenance and troubleshooting.
Bridge & Engine Resource Management	3 days	Bridge-engine communication, shared awareness and coordinated emergency decisions.
Maritime Resource Management (MRM)	3 days	Leadership, human factors, assertiveness, fatigue, stress and error prevention.
LCHS LPG / Gas Cargo Operations	5 days	LPG properties, reliquefaction, cooldown, transfer, pressure control and emergency procedures.
LNG Bunkering	2 days	Preparation, exclusion zones, ship-shore checks, transfer monitoring and emergency shutdown.
Methanol Bunkering	1 day	Methanol hazards, transfer equipment, bunkering plans, spill containment and emergency response.

Common Courses Continued

Training for deck officers and engineers.

Course	Duration	Content in brief
Parcel Chemical Tanker Safety	1 day	Multi-grade planning, compatibility, coatings, segregation, contamination prevention and chemical safety.
FRAMO Hydraulic Cargo Pumping	2 days	Hydraulic circuits, power packs, submerged cargo pumps, performance checks and troubleshooting.
Ship-to-Ship Transfer Operations	1 day	Planning, approach, mooring, fendering, transfer coordination, weather limits and contingencies.
IGF Code Familiarisation	3 days	Low-flashpoint fuels, containment, supply, gas detection, ventilation and fire protection.
Scrubber / EGCS Operation & Troubleshooting	2 days	Operating modes, start-up, changeover, washwater monitoring, alarms, maintenance and troubleshooting.
Ballast Water Treatment Systems	2 days	Treatment, ballast operations, system limits, alarms, maintenance and compliance records.
Bulk Cargo & IMDG / HAZMAT	2 days	IMSBC and IMDG hazards, liquefaction, declarations, segregation and safe cargo carriage.
SIRE 2.0 / RISQ 3.2 Preparation	1 day	Inspection preparation, crew interviews, demonstrations, human factors, records and corrective actions.
Port State Control	1 day	Inspection procedures, documentation, common deficiencies, detention prevention and corrective follow-up.
Onboard Assessment	2 days	Competency criteria, observation, evidence, assessment decisions, feedback and recording results.
Shipboard Safety Officer	2 days	Inspections, toolbox talks, permits, near-miss reporting and corrective-action follow-up.
Risk Assessment & Incident Investigation	2 days	Hazard identification, risk controls, evidence, root causes and preventive actions.
MARPOL & Environmental Compliance	2 days	MARPOL, pollution prevention, waste management, discharge controls and recordkeeping.
Explosion Protection	2 days	Hazardous areas, Ex equipment, ignition control, inspection and safe electrical maintenance.
Mental Health Awareness & Wellbeing	1 day	Stress, fatigue, isolation, warning signs, supportive communication and coping strategies.
Leadership & Management	1 day	Leadership, delegation, decisions, communication, conflict resolution, motivation and accountability.
Surface Preparation & Painting	1 day	Corrosion control, surface preparation, coatings, application conditions and common defects.

Nominations and enquiries

coursebooking@tanushmarine.com | www.tanushmarine.com

+91 99871 43655 / +91 77100 37570 / 022 4569 5148

Office 410, Vindhya Commercial Complex, Plot 1, Sector 11, CBD Belapur, Navi Mumbai 400614.