



KMSTC

SPECIALISED TRAINING CENTRE

COURSE CATALOGUE

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Dear valued customer,

Kherson Maritime Specialised Training Centre (KMSTC) is a leading maritime and offshore training provider in Ukraine.

Our training centre offers a wide portfolio of approved and accredited training courses for personnel serving in the maritime and offshore petroleum industry.

KMSTC provides our customers with a realistic training environment under the highest global safety and quality standards.

Our organisation is made up of a strong team of experienced, enthusiastic and well qualified staff who make sure that the course delegates get a thorough knowledge, understanding and practical skills.

We are fully committed to excellence in quality, reliability and service to our customers.

We are also open to constructive criticism, we welcome your feedback and any ideas for improvement of our services. Welcome aboard!

Yours sincerely,

Capt. Sergey Dudchenko

About KMSTC



Kherson Maritime Specialised Training Centre (KMSTC) was established in 2012 with a joint project to support the local economy development of the group of international maritime shipping industry companies and financial support by the German Development Finance Institution-Deutsche Investitions-und Entwicklungsgesellschaft (DEG).

The idea was to improve the quality of training of the Ukrainian seafarers and make them more competitive on the international seafarers' labour market.

KMSTC is accredited by the Ukrainian Maritime Administration (The State Service for Maritime and River Transport of Ukraine) for providing STCW training for seafarers and by the Offshore Petroleum Industry Training Organization (OPITO) for basic offshore safety training courses.



KMSTC specialises in developing value-added maritime training courses for bridge, engine and cargo operations by using state-of-the art, permanent training facilities and modern simulators that offer dedicated learning environment at the premises of Kherson State Maritime Academy. We are continually adding new courses.

Since January 2019 due to increased demand for industry specific training we have expanded our training activities by adding new modern training premises at 9, Belinsky Street in Kherson. There are 3 well-equipped dedicated classrooms, an instructors' briefing room and administration office.

9, Belinsky St. 73000, Kherson, Ukraine
Phone: +38 0800-40-67-88
E-mail: office@kmstc.org



The KMSTC training complex consists of the following training facilities and equipment:

SHIP'S PEDESTAL CRANE SIMULATOR

- 2 crane cabins with 180° visuals
- Incorporated software system for simulation of 3 types ship's pedestal cranes
 - Mitsubishi (SWL – 80mt)
 - Neuenfelder Maschinenfabrik N.M.F. (SWL – 120mt)
 - Liebherr (SWL – 450mt)

Manufacturer: **Applied Research International (ARI simulation) Pvt. Ltd.**

HEAVY LIFT CARGO HANDLING SIMULATOR

- 'Four men' operations simulation with visuals:
 - 2 crane cabins with 180° visuals and option for tandem lifting operation;
 - 'Bridge view' with access to ballast operations module for the master's position;
 - 'Jetty view' or 'deck view' for the chief mate's position.
- Incorporated software system for simulation of existing HL ships' models with option for generating mathematical ships' models.
- Ship stability calculations and cargo planning software (**LOADMASTER** from **Kockum Sonics** and **COLOS**).
- State-of-the-art software for calculating Acceleration, Lashing &

Securing of all Heavy-Lift & Project cargo from Videck Worldwide.
Manufacturer: **Applied Research International (ARI simulation) Pvt. Ltd**

ELECTRICAL WORKSHOP

- High Voltage switchboard 6300V made by **Schneider Electric SA** for training in the safe operation of High Voltage Power Systems.

FIREFIGHTING TRAINING GROUND

- Smokehouse for Search and Rescue fire drill manufactured by **SEFtec - Ireland**.
- Fire chamber with crew cabin, engine room and electrical appliances compartments equipped with fire detection and sprinkler systems for Advanced Marine Firefighting Training.
- Open fire class A, B and C arrangements for Basic Safety Fire Prevention and Fire Fighting Training.

BOAT STATION FOR SURVIVAL CRAFT AND SEA SURVIVAL TRAINING

- Free Fall Life Boat (FFLB) model GFF 5,7M for 18 persons and ramp model FFA 5,7M manufactured by **Hatecke GmbH** for familiarization training in boarding, launching and recovery of the FFLB.
- Fast Rescue Boat model BRIG Eagle 660c for 6 persons with 130 hp **JOHNSON** outboard engine for training in safe launch, recovery operations and rescue of personnel who have fallen overboard.

CONTAINER LASHING GROUND

- 20' Refrigerator container made by **Carrier TRANSICOLD** for reefer container maintenance and troubleshooting training.
- 2 x 20' dry containers provided with lashing equipment made by **(SEC) Ship's Equipment Cent Bremen GMBH** for training in lashing/unlashing and securing of containerized cargo.

OFFSHORE SURVIVAL TRAINING CENTRE

- Helicopter Underwater Escape Trainer manufactured and installed by **SEFtec - Ireland**, used to simulate controlled ditching of a helicopter in an emergency.
- Survival training pool (diameter - 10 m; depth - 3 m) made by **GLS Tanks**, equipped with pool treatment skid.
- Helicopter winch simulator for helicopter hoist water rescue training.
- Davit Launched Totally Enclosed Motor Propelled Survival Craft (TEMPSC) manufactured by **NOREQ AS**, with water pool for practicing survival craft/TEMPSC launching and recovery.
- Helicopter and marine life rafts and lifesaving appliances for basic offshore emergency and sea survival trainings.

MARINE NAVIGATION SIMULATORS:

- TransasNavi-Trainer Pro 5000 Simulator was installed in 2014 with ECDIS, Ship Handling/ARPA and Full Mission Bridge trainee sets, separated into 3 classrooms to provide opportunity to certify all cadets regarding mandatory STCW training. The full complex of simulators includes 12 navigational areas and 10 ship models. Navigation simulator is designed according to IMO Model Courses, DNV-GL recommendations for modern solutions of maritime education.
- ECDIS Class Room (type C DNV-GL) basically equipped with 16 TransasNavi-Sailor 4000/Navi-Planner 4000 workstations with

Premises and Equipment



ECS keyboards per trainee seat. Can be utilized for Generic and Type Specific ECDIS training, provided with different vendors ECDIS CBT`s. Additionally equipped with paper charts, books and guides for refreshment of traditional navigation skills.

- Ship Handling/ARPA Class Room (type B DNV-GL) equipped with 8 navigational virtual bridges with ECDIS/ARPA/Conning and 60° visuals integrated displays to train 16 delegates per course. This training area provides effective solution to gain skills in safe navigation with modern ENS equipment for OOW and cadets.
- Full Mission Bridge Simulator (type A DNV-GL) gives opportunity to train participants in real close environment up to 3-5 delegates per course. Simulator is fully equipped with 210° visuals.
- Dynamic Positioning System Simulator (type C DNV-GL) for induction course of 6 DP operators training with different DP vendor's equipment (Navis, MT, Rolls-Royce);
- Full Mission Offshore Vessel Bridge Simulator with DPS2/3 (type A DNV-GL) for basic, advanced and sea time reduction training of MOU, AHTS and supply vessels' personnel.
- ROC/GOCGM DSS Simulator, 2 Class Rooms for training of 16 delegates per course based on IMO MC 1.25, 1.26;

MARINE ENGINE ROOM SIMULATORS:

- PC-based Engine Room Simulator (type C DNV-GL) for 8 delegates per course based on IMO MC 2.07;
- Full Mission Engine Room Simulator (type A DNV-GL) for 6 delegates based on IMO MC 2.07, 7.02, 7.04.



PROGRAM

DURATION

HEAVY LIFT COURSE	3 days.
CRANE HANDLING	2 days.
MARINE HIGH VOLTAGE (Operational Level)	3 days.
MARINE HIGH VOLTAGE (Management Level)	3 days.
CONTAINER LASHING	1 day.
REEFER CONTAINER MAINTENANCE AND TROUBLESHOOTING	2 days.
REEFER CONTAINER HANDLING FAMILIARIZATION TRAINING	1 day.
BULK CARRIER (INCLUDING DRAUGHT SURVEY AND STABILITY) TRAINING	5 days.
BULK CARRIER (INCLUDING DRAUGHT SURVEY AND GRAIN STABILITY) TRAINING VIRTUAL CLASSROOM	5 days.
CHARTWORLD eGLOBE-G2 TYPE SPECIFIC COURSE	2 days.
VOYAGE PLANNING USING ECDIS	4 days.
MARINE FUEL MANAGEMENT	2 days.
MARINE FUEL MANAGEMENT VIRTUAL CLASSROOM	2 days.
WORK PERMIT & ENCLOSED SPACE ENTRY	2 days.
MARINE AUTOMATION AND CONTROL SYSTEMS	3 days.

Industry Specific Courses



PROGRAM

DURATION

ENVIRONMENTAL TRAINING PROGRAMME	1 day.
COMMERCIAL ADMIRALTY LAW	3 days.
COMMERCIAL ADMIRALTY LAW VIRTUAL CLASSROOM	3 days.
WORKING AT HEIGHTS COURSE	2 days.
TROUBLESHOOTING SHIP'S AUTOMATION COURSE	4 days.
SELF-CONTAINED BREATHING APPARATUS	1 day.
MASTER - PILOT RELATIONSHIP	4 days.
MARITIME RESOURCE MANAGEMENT	3 days.
GUIDANCE TO PORT STATE CONTROL INSPECTION	1 day.
GUIDANCE TO PORT STATE CONTROL INSPECTION VIRTUAL CLASSROOM	1 day.
OPEN WATER DIVER	16-32 hours.
SENIOR OFFICER EVALUATION PROGRAM	0,5 day.
VROON OFFSHORE SHIPS HANDLING	5 days.
VROON COMPETENCE MANAGEMENT ASSESSMENT PROGRAM (NAVIGATIONAL DEPARTMENT)	2 days
VROON COMPETENCE MANAGEMENT ASSESSMENT PROGRAM (ENGINE DEPARTMENT)	2 days.
SAFE MOORING OPERATIONS COURSE	3 days.



PROGRAM

DURATION

BASIC OFFSHORE SAFETY INDUCTION AND EMERGENCY TRAINING (BOSIET) SC (Standard Code) 5700	3 days.
BASIC OFFSHORE SAFETY INDUCTION AND EMERGENCY TRAINING DIGITAL DELIVERY SC (Standard Code) 5703	1 day.
BASIC OFFSHORE SAFETY INDUCTION AND EMERGENCY TRAINING WITH CA-EBS (BOSIET with CA-EBS) SC (Standard Code) 5750	3 days.
HELICOPTER UNDERWATER ESCAPE TRAINING (HUET) SC (Standard Code) 5095	1 day.
HELICOPTER UNDERWATER ESCAPE TRAINING WITH CA-EBS (HUET with CA-EBS) SC (Standard Code) 5295	1 day.
FURTHER OFFSHORE EMERGENCY TRAINING (FOET) SC (Standard Code) 5858	1 day.
FURTHER OFFSHORE EMERGENCY TRAINING WITH CA-EBS (FOET with CA-EBS) SC (Standard Code) 5850	1 day.
OFFSHORE CRANE OPERATOR FAMILIARIZATION (STAGE 1)	4 days.
CA-EBS INITIAL DEPLOYMENT (CA-EBS ID) SC (Standard Code) 5902	1 day.
BASIC H2S SC (Standard Code) 9014	1 day.



PROGRAM

DURATION

SAFETY FAMILIARISATION, BASIC TRAINING AND INSTRUCTION FOR ALL SEAFARERS	8 days.
PROFICIENCY IN SURVIVAL CRAFT AND RESCUE BOATS OTHER THAN FAST RESCUE BOATS	4 days.
FREE-FALL LIFEBOAT COURSE	2 days.
SECURITY-RELATED TRAINING AND INSTRUCTION FOR ALL SEAFARERS	1 day.
DESIGNATED SECURITY DUTIES FOR SHIPBOARD PERSONNEL.....	1 day.
ADVANCED FIRE FIGHTING	4 days.
MEDICAL FIRST AID ON BOARD SHIP	4 days.
SHIP SECURITY OFFICER	2 days.
RADAR NAVIGATION, RADAR PLOTTING AND USE OF ARPA(OPERATIONAL LEVEL)	10 days.
RADAR, ARPA, BRIDGE TEAMWORK, SEARCH AND RESCUE (MANAGEMENT LEVEL)	5 days.



PROGRAM

DURATION

THE OPERATIONAL USE OF ELECTRONIC CHART DISPLAY AND INFORMATION SYSTEMS (ECDIS)	5 days.
GENERAL GMDSS OPERATOR	14 days.
BRIDGE RESOURCE MANAGEMENT	5 days.
ENGINE ROOM RESOURCE MANAGEMENT	6 days.
PASSENGER SHIPS PERSONNEL TRAINING	3 days.
PROFICIENCY IN FAST RESCUE BOATS	3 days.
MEDICAL CARE ON BOARD SHIP	6 days.
TRAINING OF OFFICERS AND RATING RESPONSIBLE FOR CARGO HANDLING ON SHIPS CARRYING DANGEROUS AND HAZARDOUS SUBSTANCES IN SOLID FORM IN BULK AND IN PACKAGED FORM	5 days.

Photo Gallery



Photo Gallery





20, Ushakov Avenue 73000, Kherson, Ukraine
9, Belinsky St. 73000, Kherson, Ukraine

E-mail: office@kmstc.org
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