



MINISTRY OF NATIONAL EDUCATION
CONSTANTA MARITIME UNIVERSITY Training Centre

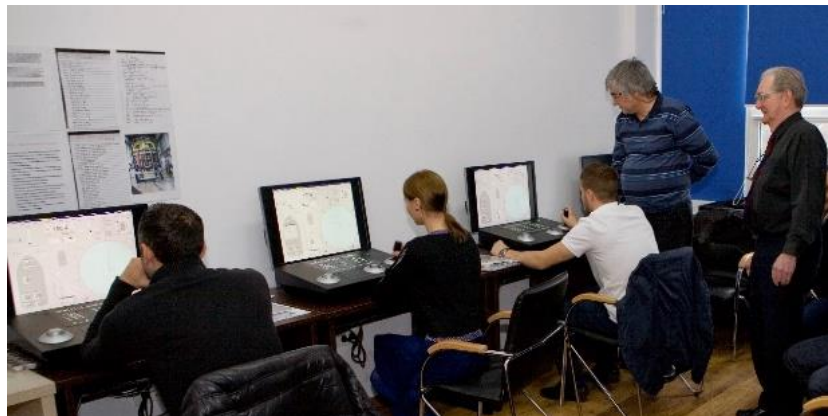
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DP Maintenance Course

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“Choose to attend DP Maintenance Course at Constanta Maritime University Training Centre to gain theoretical and hands-on experience with the market leading DP Kongsberg Simulator”

Constanta Maritime University Membership



Member of International Association of Maritime Universities



Member of The Nautical Institute



Member of International Maritime Contractors Association

DP MAINTENANCE COURSE

1. Course aim

The overall aim of the **DP Maintenance Course** is to provide participants with basic understanding of Dynamic Positioning and, technical maintenance training to fulfil the requirements of the DP industry. The DP Trainees will learn to identify faulty units and exchange them with spares from stock on board and bring the DP system back into operation. They will also receive introduction to system documentation in order to perform periodic maintenance, and to communicate with service personnel when assistance is needed. The course duration is four days.

Number of participants: minimum 3 to maximum 8. The DP trainees are also notified that the training session will not start without a minimum of three trainees.

The training will follow the programme as outlined by the manufacturer of the DP system, which follows the recommendations contained in The International Marine Contractors Association (IMCA) guidelines. By the completion of the **DP Maintenance Course**, the trainee will be able to:

- Define the principles of DP.
- Recognise the component parts of a DP system.
- Understand the relationship between vessel movement, position reference systems, sensors, computers, propulsion units and feedback.
- Understand the concept of redundancy.
- Understand the DP modes of control.
- Describe the operation of sensors and common position reference systems.
- Describe the operation of computers.
- Describe propulsion units, types and configurations.
- Understand power supply, redundancy and management.
- Practice communication and watch handover procedures.
- Understand the national and international rules and regulations valid for Dynamic Positioning operations
- Describe the technical knowledge of the computers in the DP system
- Understand and apply preventive and corrective maintenance of the DP system
- Understand system documentation.

2. Enrollment pack

The administrative registration of DP trainees is completed by CMU Training Centre in accordance with CMU Training Centre Administration Registration Procedure.

Step 1. Entry requirements

General knowledge of electronics and computer-based control systems.

Step 2. Application process (Application Form)

By e-mail sent to: dp.registration@cmu-edu.eu. Applicants should send the application form by e-mail and they will be confirmed and coordinated for the next step by the CMU Training Centre Secretary;

Desk office: Monday to Friday 7.30 – 15.30, applicants have the possibility to pass the application form in the printed copy at Constanta Maritime University, 104, Mircea cel Batran St., 900663, DP Secretary Office E108. The confirmation for registration will be send by e-mail to the applicant.

The CMU Training Centre Secretary communicates to DP Trainees the enrolment pack outlining course timetable, accommodation, transport, location and the contact details of CMU Training Centre.

Once the application was received and confirmed by CMU Training Centre the applicants may proceed to the next step.

Step 3. Payments

DP Maintenance course fee – 800 Euro

DP Maintenance course fee for Constanta Maritime University students – 600 Euro

Cash: From Monday to Friday 8.00 – 10.00, Constanta Maritime University, 104, Mircea cel Batran St., 900663, Constanta, Romania, Cash desk E113.

Bank transfer to Constanta Maritime University's account. 104, Mircea cel Batran St. Constanta, Romania, CUI 2747321

- for Euro please use – Bank: Banca Comerciala Romana, Address: Strada Traian nr.68, Constanta, SWIFT: RNCBROBU, IBAN: RO74RNCB0114032048140005
- for Romanian Currency – Lei, please use IBAN: RO74TREZ23120F330500XXXX

Please specify transfer details: *Name_Surname, DP Maintenance Course.*

Once the payment was completed the CMU Training Centre Secretary sends by e-mail the course timetable to the DP trainees.

3. Certificate

On successful completion of DP Maintenance course, the DP trainee will receive the Certificate for completion of DP Maintenance Course. The course will be logged into the IMCA DP Logbook.

The IMCA DP Logbooks are published by The International Marine Contractors Association (IMCA). DP Trainees may purchase these from CMU Training Centre at additional cost of 23 pounds, payable as referred in the section related to payment.

4. Cancellation policy

The DP candidates may cancel the course and receive full refund (except for the bank charges) if cancellation occurs minimum one week before the course starts. Otherwise, within one week before the course begins, the DP trainees may reschedule their attendance to a later available training session. Cancellation within one week before the course begins is not possible; in such case the course fee is not refundable to DP trainees.

DP KONGSBERG EQUIPMENT

4 units model Kongsberg K-Sim DP Basic, with possibility to simulate the same vessel or different vessels which operate independently of each other.



DP Induction Classroom

Kongsberg K-Sim DP manoeuvring (Full mission DP Simulator) which comprises the Polaris SBS (Polaris Ship Bridge Simulator) connected with DP Class 2 unit (named Polaris SBS-K-Pos DP).



DP Simulator Classroom

Technical description

1. DP Simulator Class 2 – K-POS DP-21, Operator Workstation - Dual Redundant Dynamic Positioning System
2. Reference Systems: HPR – one transponder, RADius – one transponder, Artemis – one transponder, DGPS – two independent DGPS receivers, GYRO – three independent gyro systems, VRS – three independent VRS systems, Wind Sensors – two independent wind sensors
3. Hydrodynamic DP ship models: Multipurpose supply vessel, Semi-submersible Oil Rig, Offshore loading tanker.
4. DP Monitoring slave back displays
5. K-POS and visual system DYNPOS

DP CENTRE contact details

The DP Courses are held at Constanta Maritime University Training Centre, situated at 104, Mircea cel Batran St. Constanta, Romania: <https://goo.gl/maps/J9qK2JTztdy>



Contact details: Constanta Maritime University Training Centre
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