

Dynamic Positioning Awareness

Understand DP systems and your role on board



This two-day course provides a foundational understanding of Dynamic Positioning (DP) systems and their operation on board vessels. You will learn the basic principles of DP, including position reference systems, sensors and computer-controlled station keeping. The training combines classroom theory with hands-on exercises on individual DP simulators. After completion, you have the knowledge to decide whether to pursue the full DP Operator certification.

About this course

Location	Lloydstraat - Rotterdam
Language	English
Education Format	Classroom
Type	Basic

General information

Dynamic Positioning (DP) is a computer system to keep the ship in position and on heading by means of the proper propellers and thrusters. Position reference systems in combination with wind, motion and heading sensors, provide information to the computer. This is necessary to keep the position and heading caused by external forces, such as wind and current, as small as possible.

During the practical hands-on course you will obtain basic knowledge of Dynamic Positioning systems. The course is a combination of theory and simulation exercises on individual simulators.

This course is not a part of the DP Operator training scheme of the Nautical Institute.

Programme

This course takes place in part on individual Dynamic Positioning simulators. The theoretical component takes place in a classroom.

The following topics will be covered:

- general principles of the DP system
- definition of DP, elements of the DP system and entire DP systems
- functions of the DP system
- classification & redundancy
- types of DP ships
- types of DP operations
- manoeuvre system including thrusters
- introduction to Position Reference Systems and its usage
- characteristics and possibilities of the ship
- consequence & DP capability analysis
- power management systems and prevention of black out
- procedures for monitoring the DP system
- operational procedures during DP operations

Result

At the end of this course:

- you possess basic theoretical knowledge on Dynamic Positioning
- you have 'tasted' navigating with DP systems
- you possess the required knowledge and information about DP to take decisions

Target audience

You are looking for knowledge and information on Dynamic Positioning systems.

Practical information

Entry requirements N/a

Type of training Basic course, Basiscursus/opleiding

Duration 2 days

Language English

Exams No

Certificate Yes (STC Next certificate)

Course code SDPT

Particulars

After the course you will receive a certificate of participation.

Courses

COURSES	START DATE	END DATE	LOCATION	BASE PRICE (FROM)
Dynamic Positioning Awareness	19 October 2026	20 October 2026	Lloydstraat - Rotterdam	€ 1.300,00
Dynamic Positioning Awareness	22 February 2027	23 February 2027	Lloydstraat - Rotterdam	€ 1.596,00

(excl. VAT)

More information and current course dates can be found at </en/next/courses/dynamic-positioning-awareness>

This brochure was generated on 19 October 2026. No rights can be derived from its content.