
PORT MANAGEMENT PROGRAM INFORMATION



PORT MANAGEMENT PROGRAM INFORMATION

Summary

- 1. INTRODUCTION 03 ▶**
 - 1.1 Port Management Program Partners 03 ▶
 - 1.2 Our international Partnerships (map) 04 ▶
 - 1.3 Port Management Program 05 ▶
 - 1.3.1 Module - Digitalisation 05 ▶
 - 1.3.2 Module - Energy Transition 05 ▶
-  **2. PORT MANAGEMENT PROGRAM 06 ▶**
 - 2.1 Modules 06 ▶
 - 2.2 Program characteristics 07 ▶
 - 2.3 Entry level 07 ▶
 - 2.4 Program details 08 ▶
- 3. TERMS AND CONDITIONS 10 ▶**

Introduction to Port management partners

1.1 BRIEF INTRODUCTION PORT MANAGEMENT PARTNERS

STC Next

STC Next is the leading knowledge institute on human capital development world-wide. Education, training, technical assistance and research are provided to the maritime and transport (related) industries. All programs are conducted by experts from the industries in combination with high-tech simulation wherever possible. Competency, rules and regulations, efficiency, environment, safety and security are key issues in the services provided. By doing so, people are offered the ability to create a sustainable family income. Organisations can benefit by having a motivated and skilled labour force.

STC Next provides its services to the clusters:

1. Maritime and Offshore;
2. Port and Terminals;
3. Transport and Logistics;
4. Process Industry and Energy.

The company currently operates centers of excellence in the Netherlands, Colombia, Oman, Vietnam and South Africa. STC Next is an experienced partner that provides and migrates prime knowledge for the national and international transport and maritime cluster in a sustainable and innovative way, in order to bring people, institutions and companies to a higher level of education.

Port of Rotterdam Authority

The port of Rotterdam is a cornerstone of the Dutch and European transport and economic systems. In addition to the significant economic and social value the port holds in the Rotterdam[1]Rijnmond region, it also benefits the logistics sector and businesses that import and export in the rest of the Netherlands and Europe through employment, added value, revenue and business locations.

The Port of Rotterdam Authority's core tasks are the sustainable development, management and operation of the port and maintaining the smooth and safe handling of shipping. The aim of the Port of Rotterdam Authority is to strengthen the port's position as a logistics hub and future-proof industrial complex.

In doing so, it's not size, but rather quality that takes precedence. The Port of Rotterdam Authority takes responsibility for the impact of the activities in the port on the climate and immediate surroundings. The health and safety of current and future generations are an integral consideration our decision-making, including in our cooperations with businesses.

Facts and figures for the Port of Rotterdam Authority and the port of Rotterdam:

- Port of Rotterdam Authority: approximately 1,270 employees, revenue approximately € 842 million.
- Port area: 12,500 hectares (land & water, including approximately 6,000 hectares of industrial sites). The port area is more than 40 kilometres long.
- Employment: (direct and indirect) 193,000 jobs in the Netherlands.

- Goods throughput: approximately 439 million tons of goods a year.
- Shipping: approximately 28,000 seagoing vessels and 90,000 inland vessels annually.
- Added value: (direct and indirect) €30.6 billion, 3.2% of Dutch GDP.



Port of Rotterdam Authority



STC Next



Brief introduction the various Port Management Program



1.3 BRIEF INTRODUCTION PORT MANAGEMENT PROGRAM

Port development and management present major challenges including adjusting ports to rapidly changing market dynamics. Making big long-term infrastructure investment plans in an uncertain and ever changing market climate, adjusting to the technical and operational requirements of bigger vessels and increasing cargo volumes is a challenge to face. Global trends such as energy transition and digitalisation require innovative solutions to face.

Challenges as how to make future port infrastructure, play a significant role in the course. These are the challenges which governments, port authorities, and port operators increasingly have to contend with. These challenges require staff with a deeper and more nuanced understanding in the complex dynamics of the port industry. The Port Management Program offers candidates the understanding and analytical mind-set needed to confront these challenges.



1.3.1 MODULE - DIGITALISATION

The port of the future will be a digital port, where cargo flows are no longer delayed by the inefficient exchange of key data. Digital technologies allow users to share relevant data in real time – and share it with all parties involved in a process that is as safe as it is reliable.

This includes partners further along the chain with whom we currently have almost no direct contact. The digital transition will enable us to predict arrival times, reduce the length of port stays and minimize waiting times.



1.3.2 MODULE - ENERGY TRANSITION

For the port's future to be successful, it is important that port businesses and the shipping industry must be able to develop constantly. At the same time they must do so while being mindful of the climate. Among other things, this demands new technologies, new revenue models and new collaborative partnerships. We share the most important trends, developments, insights, lessons learned and more.

Four-pillar approach towards CO₂ neutral
Working with businesses and the government, the Port of Rotterdam Authority has developed a vision and a 4-pillar approach for achieving our goal of a carbon neutral and circular port. This strategy is the result of years of intensive research.



Sara Al Bahrani – Sultanate of Oman:
“The PMP, offered by the Port of Rotterdam in close cooperation with STC Next is a very educative Program that fits perfectly in any employee carrier aim in a way that all topics benefit in a long run.”

Organised by:

Port of Rotterdam Authority & STC Next

Venue:

On location, Rotterdam

Lecture topics:

- Port Management & Port Development
- Energy Transition & Digitalisation



Port Management Program

2.1 MODULES

Module port basics

During this module we will give answers to questions as: What is a port?, What does a port do?, How are ports managed? and Where is the port industry headed? The basics are the foundation to make sure every candidate is on the same level of communication and understanding.

Module port business

This module will cover topics such as the role that ports play in global supply chains, the factors that drive the port business, how to attract clients to the port, what criteria do companies use in selecting ports and what role does a port development company (pdc) play in developing a segment.

Module port infrastructure and port planning

This module provides insights into the main challenges you can expect in brown/greenfield port developments, the multidisciplinary approach, the need to balance different needs/interests, the different types of contracting (how is this done and what issues to consider) and the benefits of clustering and how this strengthens your port.

Module port management

The following topics will be discussed: How are tasks and responsibilities allocated in a port? What are the different entities and organisations involved in the development of the port? What is the mandate of the port developer? How is management appointed? What are some of the justifications for government involvement in port development? What are the interests which a port developer has to

balance (stakeholder management)? How do you balance private and public interests in a port? And how do you balance efficiency and compliance with (safety, security, customs) regulations?

Module future of ports

Ever evolving insights on ports and hinterland have it's reflection on the way we work in the future. Ports are constantly in development, this includes both the digital world as well as the way we look at our energy sources.

Two main transitions will be highlighted in this program.

Digitization

Paperless offices, autonomous sailing vessels, virtual reality and artificial intelligence, 3D printing and so on will create a new digital reality. Embracing new technologies and digital processes as a user might seem easy, but how can we use the developments in a port environment?

Energy transition

Co₂ reduction targets, climate change, solar & wind energy, hydrogen, methanol, all leads to new ways of looking at energy production and consumption. What role are ports playing in this evolving landscape and how can we deal with the complex challenges involved?

Experience by doing

Participants learn valuable insights in an innovative, creative, safe and interactive way. Our interactive sessions will help you not only to get an understanding of the topics, but apply them in a (virtual) environment where impact is shown on the choices that are made.

Take a step with us into the future of ports and it's industrial





2.2 PROGRAM CHARACTERISTICS

Tailored to Client Needs

Together with the Client, a tailor-made PMP (in Rotterdam or on location) is designed that addresses Client specific topic(s). The topics can include long-term vision, spatial planning, sustainability, safety and security, stakeholder management, etc.

Interactive Lectures

The program consists of interactive lectures delivered by relevant experts of POR and STC-Group professionals. The lectures aim at applying more than 80 years' of combined port development expertise to the local context.

Case Studies/Management Games

Depending on the objectives and topics, the program can include interactive case studies where participants are asked to apply the concepts they've learned to a local context.

Port Constructor and Hinterland Game

Management games can be added to the program, if objectives and topics so require. During these games focus is for participants to make judgements, often presented as management dilemmas and tradeoffs.

Maasvlakte 2, Terminal visits, Customs & Branche organisations

Excursion(s) to the port and/or to port and industrial operations is a crucial element, linking concepts to practice and classroom examples to reality.

Deliverables

Presentations held during the program, PMP Certificate of Attendance and a short document (presentation or letter) with main insights derived from the program (upon request).

Participants

A maximum of 25 participants is recommended and at least an intermediate proficiency in the English language is required to successfully participate the PMP.

2.3 ENTRY LEVEL

The Port Management Program is a tool developed for capacity building for the following target groups;

Executives

This program contains Strategic and Board related issues for Board members and senior managers in ports, governments and terminals.

Project Teams

Teambuilding well suited for newly formed departments or mixed project teams.

Support functions

In depth programs for port employees in IT, Finance, HR, Communication, Marketing, Procurement, Project Managers and Consultants.

Students

Program, well suited for students in civil engineering, business administration and social sciences, as well for students who pursue specialisations in port and shipping management and maritime economics and logistics.

Other Programs

Manager Port Operations and Maritime Supply Chain management.

For details we refer to the website

www.stc-international.nl/courses

Jamal Hashil Al Rubaii – Sultanate of Oman:

"I consider myself fortunate to be able to attend the Port Management Program, which is offered by STC Next & endorsed by Port of Rotterdam, this specialized program helped me to understand the future outlook of the port business and transformation required to be able to compete with other ports, in addition to that Building with Nature, digitization & sustainability inspired me how future port will look like".



2.4 PROGRAM DETAILS

LOCATION	The Netherlands, Rotterdam
CONTEXT	The PMP has been specially developed for our existing and potentially new international strategic partners. On request the PMP can be organised on location as well.
MAIN TOPICS	Port Basics Port Business & Management Port Infrastructure & Planning Building the future of ports
OBJECTIVE(S)	By participating the PMP candidates get an in-depth, comprehensive overview of POR's 'port eco system', build solid contacts with other professionals from port businesses worldwide and gain knowledge on all relevant port related topics.
NO. OF DAYS	5 consecutive days
ENTRY LEVEL	Port professionals, minimal Bachelor's level





Rotterdam stands out from other maritime capitals in the way we pool our knowledge and expertise together and develop maritime talent. For international talent who seek to advance their careers, Rotterdam is the place to be!



Terms and conditions

The Port Management Programs, the Port Management Games and related services are offered upon request and availability. Please contact us for availability, prices and the applicable Terms & Conditions.

Copyright © 2018-2024 by Port of Rotterdam Authority/STC Next. All rights reserved.

The content of this brochure, the Port Management Programs, the Port Management Games and other related services (including but not limited to text, information, storylines, photographs, illustrations, logo's and other graphic elements) are and will remain the property of the Port of Rotterdam Authority, STC Next or third-party right holders and are protected by copyright, trademark law, portrait rights and/or all other applicable intellectual property rights. No part of these aforementioned works may be reproduced, distributed, or otherwise used, without the prior written permission of the Port of Rotterdam Authority/ STC Next.

More information

If you want to have more information, please contact

STC Next

Mr. Addy Houtappels
M +31 (0)6 1078 2046
E a.j.p.f.houtappels@stcnext.com

Port of Rotterdam Authority

Mrs. Raquel van den Boogaard
T +31 (0) 6 5147 5865
E r.boogaard@portofrotterdam.com