

Combi port course

SMART PORT TECHNOLOGIES

Online: 19/02 – 15/03, 2024

In Antwerp: 25/03 – 29/03, 2024



**Port of
Antwerp**
International



A smart port connecting smart people

WHY

Big data, artificial intelligence, IoT and other technological solutions make ports smarter to face today's challenges. The port in general is an interconnected environment that gathers together different logistics actors who make use of a variety of systems.

This course presents established and emerging technologies in smart port development. The participants will gain insights and skills to seize the opportunities related to digitalisation in a port environment, but also to create an innovative culture within the port.

FOR WHOM

Port professionals, directly or indirectly, engaged in the areas of IT, innovation, digital transformation and smart port development within their port authority, port and terminal operating companies.

Anyone interested in advanced technological solutions, such as Big Data, IoT, AI, Blockchain and their applications in the port industry, but also Port Community Systems, Maritime Single Window Systems, Port Management Information Systems, Terminal Operating Systems and other supporting applications.

WHAT

The course discusses various aspects of developing a smart port strategy and adapting smart port technologies to increase the efficiency of a port or terminal and improve its performance & economic competitiveness. It includes both theoretical sessions as well as practical on-site visits.

The programme consists of 4 modules:

1 Digital Transformation & Community Building

- Digital strategy & digital transition
- Cost-effectiveness of ICT innovation
- Digitalisation in the maritime supply chain
- Port Community Systems and logistic platforms
- Setting up a digital eco-system for innovative technology companies

2 Systems & Solutions

- Established and evolving port & terminal technologies
- Implementing technology
- Digitizing processes

3 Sustainable & Digital Innovations

- Innovations for the sustainable transition & development of a port environment
- Data science & AI
- Smart port technologies & infrastructure
- Innovation and design thinking
- Innovations in safety and security

4 Cyber Security & Data Protection

- Data security and General Data Protection Regulation (GDPR)
- Cyber resilience & security

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Contact us



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