



SPTI
SURINAME PORT
TRAINING INSTITUTE

Port Course - SPTI

SMART PORTS



Paramaribo, Suriname

8/9/2026 -10/9/2026



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 provides you with the know-how to shape a forward-looking strategy that keeps your port at the forefront of innovation.

The participants will gain insights and skills on how to craft an adaptive strategy, stay ahead of technology trends, and cultivate an innovative mindset that can turn challenges into opportunities.



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 the concept of “**Smart Ports**”, advanced technological solutions, such as Big Data, IoT, AI 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 applying 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.

Course topics include:

Digital Transformation: developing Smart Ports and Supply Chains

Digital strategy & digital transition

Digitalization in the maritime supply chain

Maritime Single Window, Port Community Systems and Integrated logistics Systems

Digital Technologies and Innovative Solutions

Smart port technologies & infrastructure

Smart solutions in trade facilitation, terminal operations, logistics and supply chains

Data science & AI

Cyber resilience & risk management

Innovative Practices:

Case studies.

Table top exercise

Port tour

LEARNING OBJECTIVES

- Explain the key concepts, technologies, and trends driving the development of smart ports, including digitalization, IoT, artificial intelligence, big data, automation, and digital twins.
- Assess the digital maturity of port operations by identifying opportunities to improve efficiency, safety, sustainability, and resilience through smart technologies and data-driven decision-making.
- Design a strategic roadmap for smart port transformation, aligning digital initiatives with organizational objectives, stakeholder needs, and long-term business value.
- Evaluate the benefits, challenges, and risks associated with implementing smart port solutions, including cybersecurity, interoperability, data governance, regulatory compliance, and change management.
- Develop practical approaches to implementing smart port initiatives by leveraging best practices, fostering collaboration across the port ecosystem, and defining measurable performance indicators to monitor success.

Register through our website: <https://spti.sr>

CONTACT

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COST

Course experts, catering, local transport and insurance included

Accommodation and international transport excluded