

Port of Antwerp-Bruges International



Intermodal Africa 2026

Building a Resilient Logistics Hub:

Adapting to current global ec. challenges in improving logistics movements on a global scale.



Corridor creation:

*“Boost your resilience
by improving your
connectivity”*



Port of
Antwerp
Bruges

Introduction



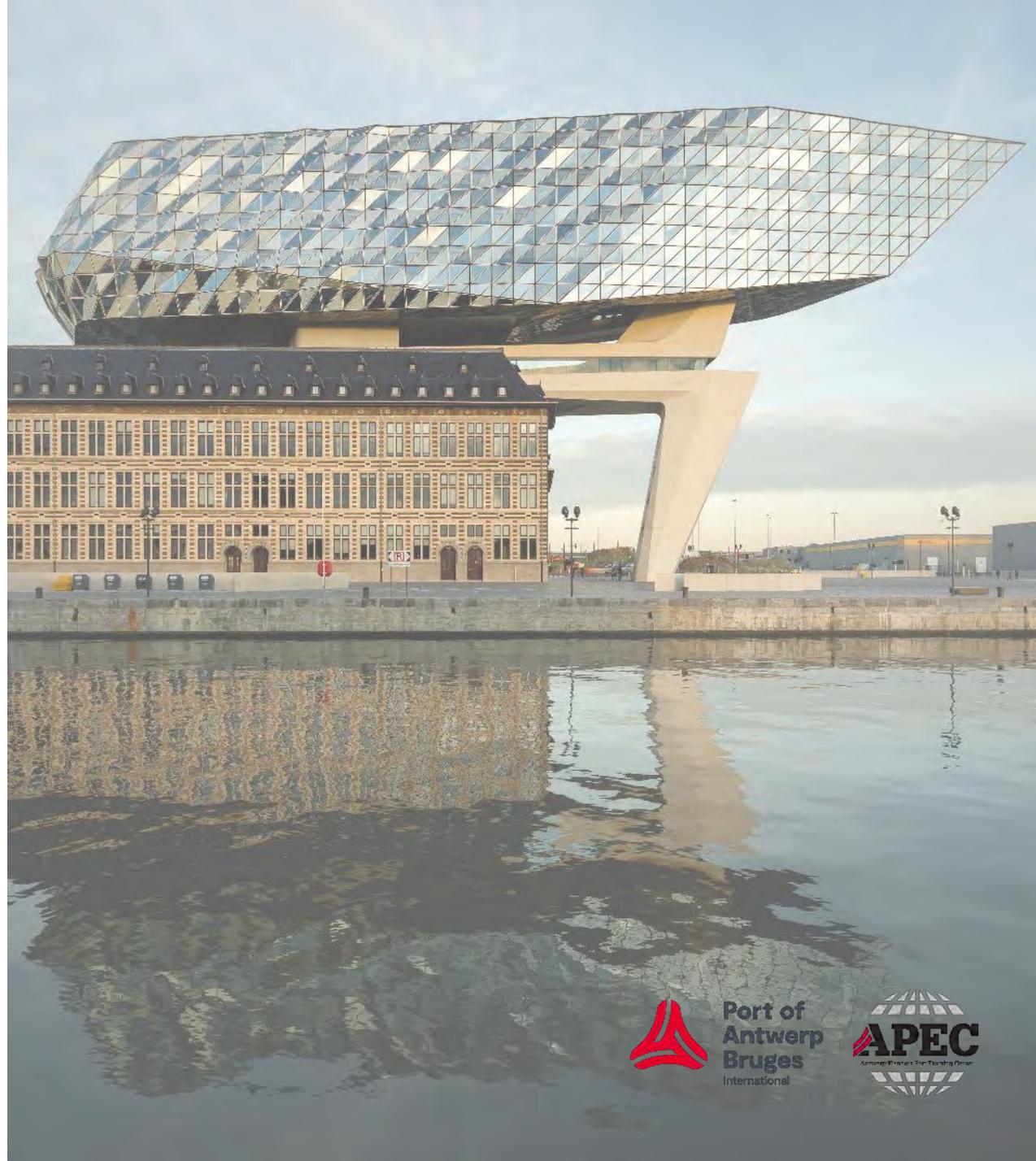
Maartje Driessens
Head of Business Development

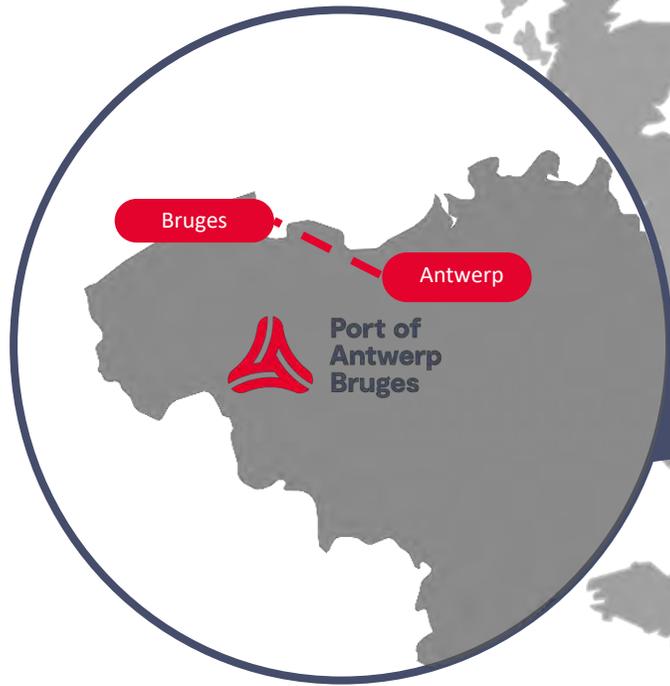
Antwerp, Belgium



Tim Michielsen
Regional Coordinator Sub-Saharan Africa
& Expert digital solutions

Antwerp, Belgium





A global port
in the heart of Europe



One port
Two sites



Port of Antwerp-Bruges

Main gateway to Europe



Largest **car handling** port in Europe
> 3,000,000 cars/year



Largest **petrochemical cluster** in Europe



Frontrunner in the **energy transition**



Driver of **Economic growth** (4.5% GDP contribution)



Total annual throughput of +- 300 million tonnes



Port of
Antwerp
Bruges
International

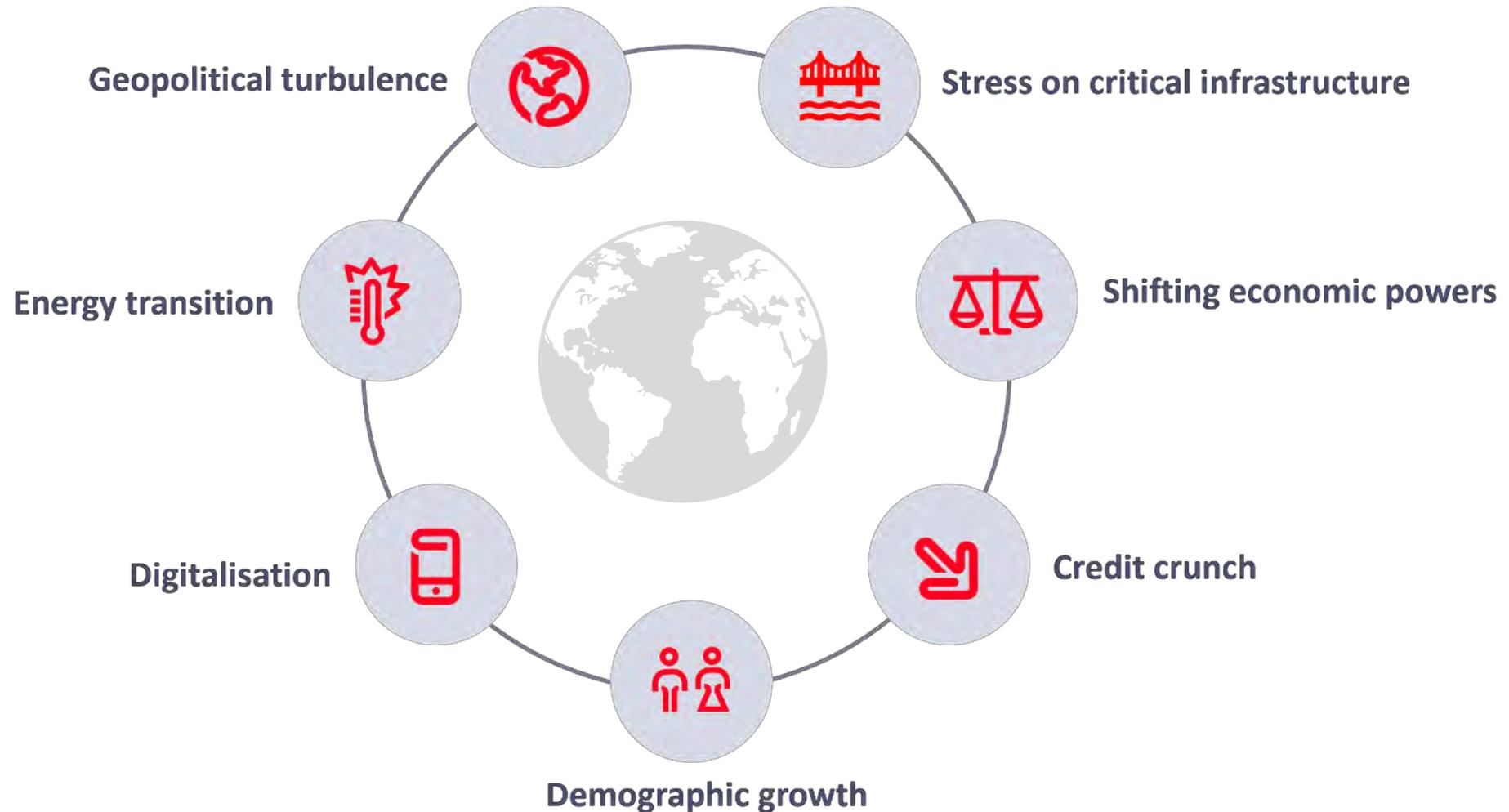


IN THIS PICTURE

MPET, the largest container terminal in Europe, is located in Antwerp and has a capacity of 9 million TEUs, along with 3,700 meters of quay space.

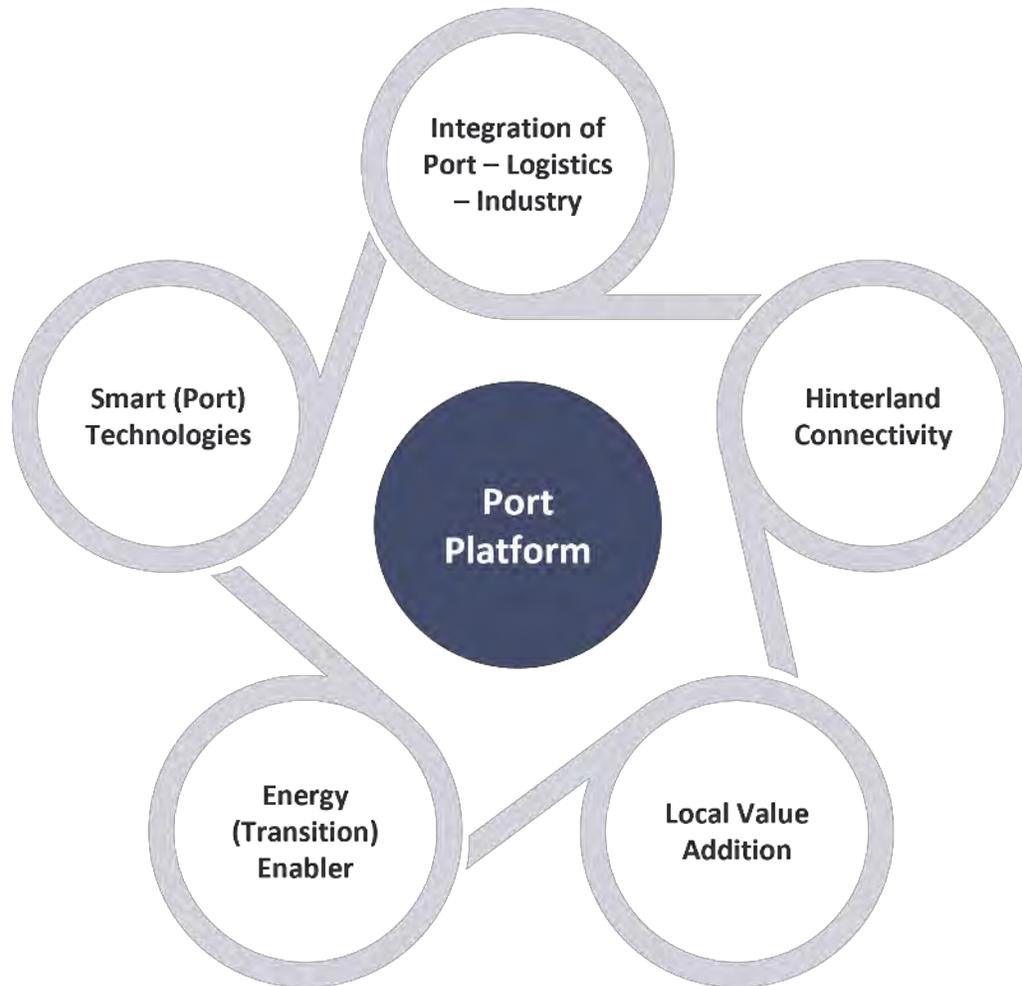
Ports in a World in Transition

Drivers of global change

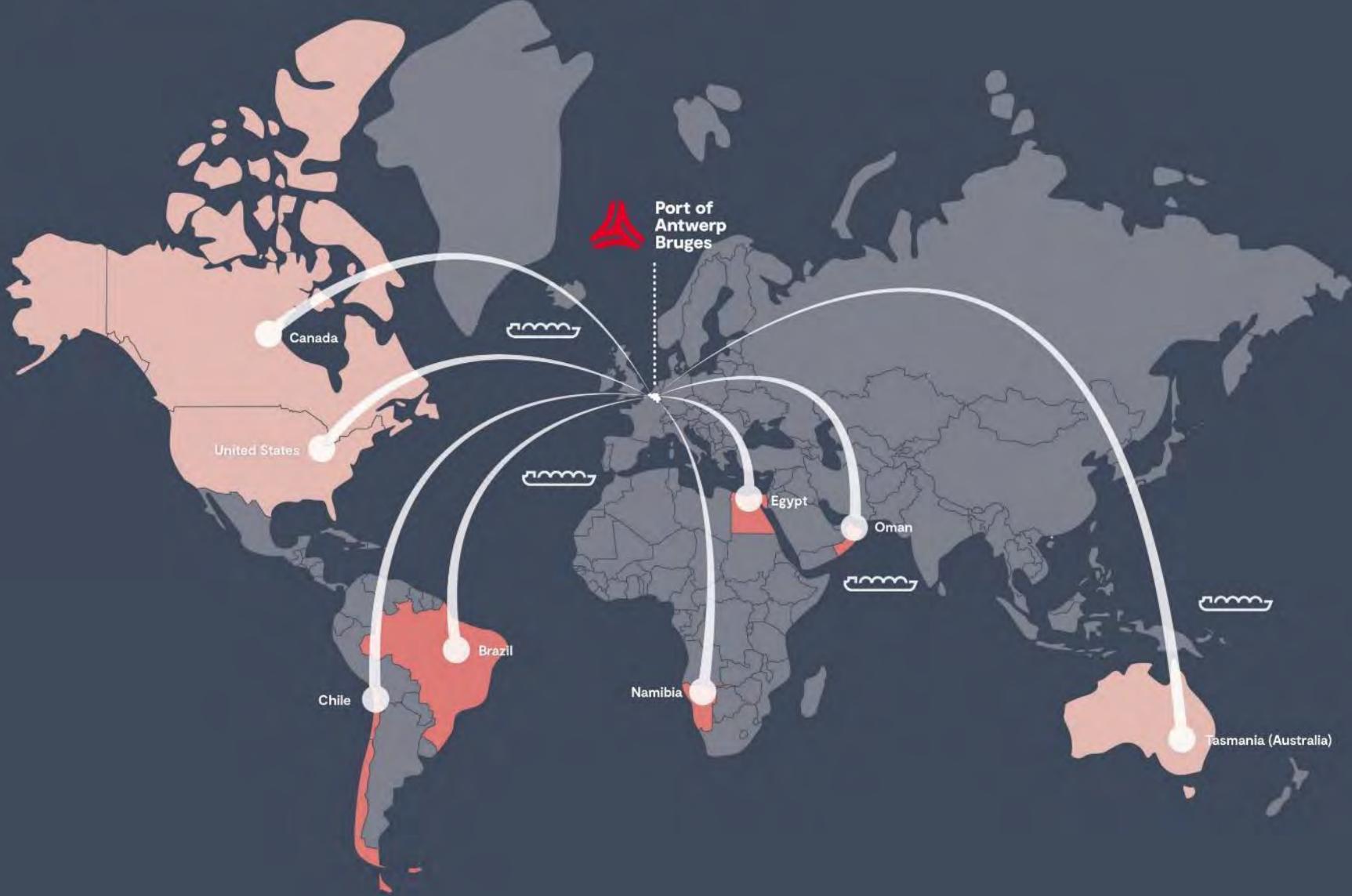


Global Port Developer

Fundamentals of a Future-proof Port



Port of Antwerp-Bruges as lever for a global hydrogen supply chain



Port of Antwerp-Bruges International

Joint Venture Shareholders' Agreement between Port of Antwerp-Bruges International (PoABI) & Perak State Development Corporation (PSKPNP)



Port of
Antwerp
Bruges
International

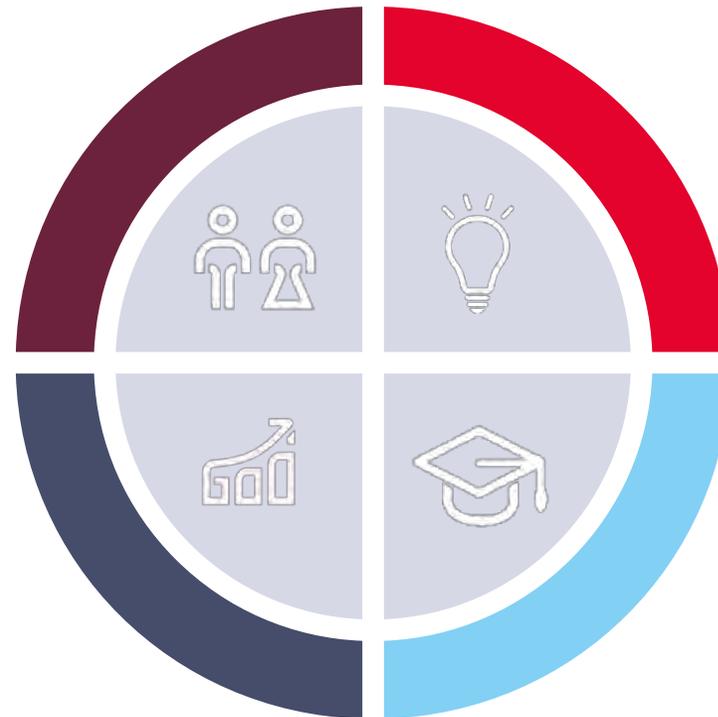


Port of Antwerp-Bruges International



Advisory and investment activities, focusing on global port development

● **Port management**
Structural on-site support



Advisory ●
Strategy and implementation

● **Investment**
Co-investor and co-developer
of your port platform

Capacity building ●
Open enrolment and tailor-made
training programmes

Solutions

Working across the entire supply chain



1 Port Strategy
& Governance

2 Digital Business
Analysis

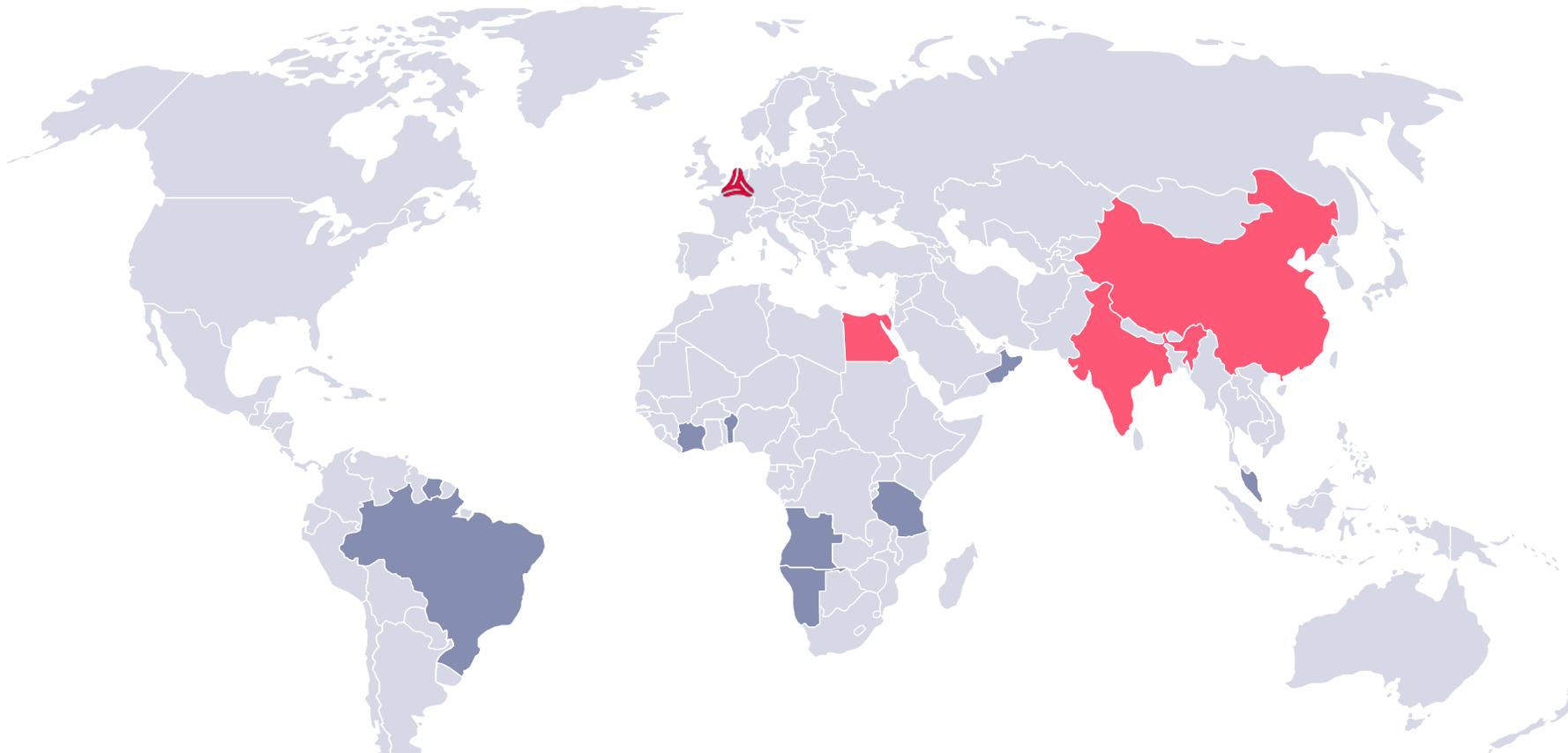
3 SHEQ and
Sustainability

4 Operations &
Blue collar

5 White Collar
Training (APEC)

Global Port Network

Structural partnerships



Port of Antwerp-Bruges International – global partnerships:

- Havenbeheer Suriname, **Suriname**
- Porto do Açú, **Brazil**
- Port Autonome de Cotonou, **Benin**
- Namport, **Namibia**
- Porto de Luanda, **Angola**
- Tanzania Ports Authority, **Tanzania**
- Port of Duqm, **Oman**
- Lumut Port, **Malaysia**



Corridor creation

Succes cases:

- hinterland connectivity
- digital connectivity
- capacitation



Port of
Antwerp
Bruges



2nd largest port in Europe

Transport



20,195
seagoing vessels/year



60k
barges/year



42k
loaded **cargo trains**/year



1,000 km
pipelines



187 **cruise** vessels
1 mio passenger movements

Cargo



Main **chemistry**
hub in Europe

15% of the EU **gas** market



Largest **car handling** port in Europe
3.2 mio new cars/year



First **container** port
in Europe



Expertise in **breakbulk**

Connectivity

Multimodal gateway to the European hinterland

Rail



Inland navigation



Road



Shortsea

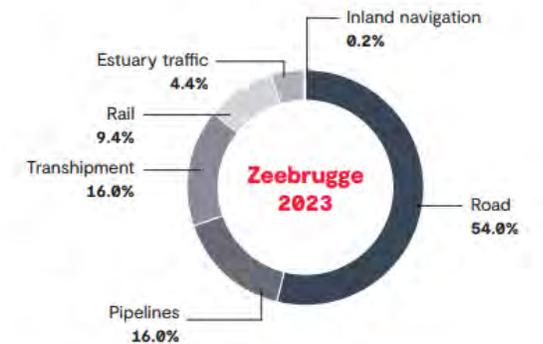


Pipeline



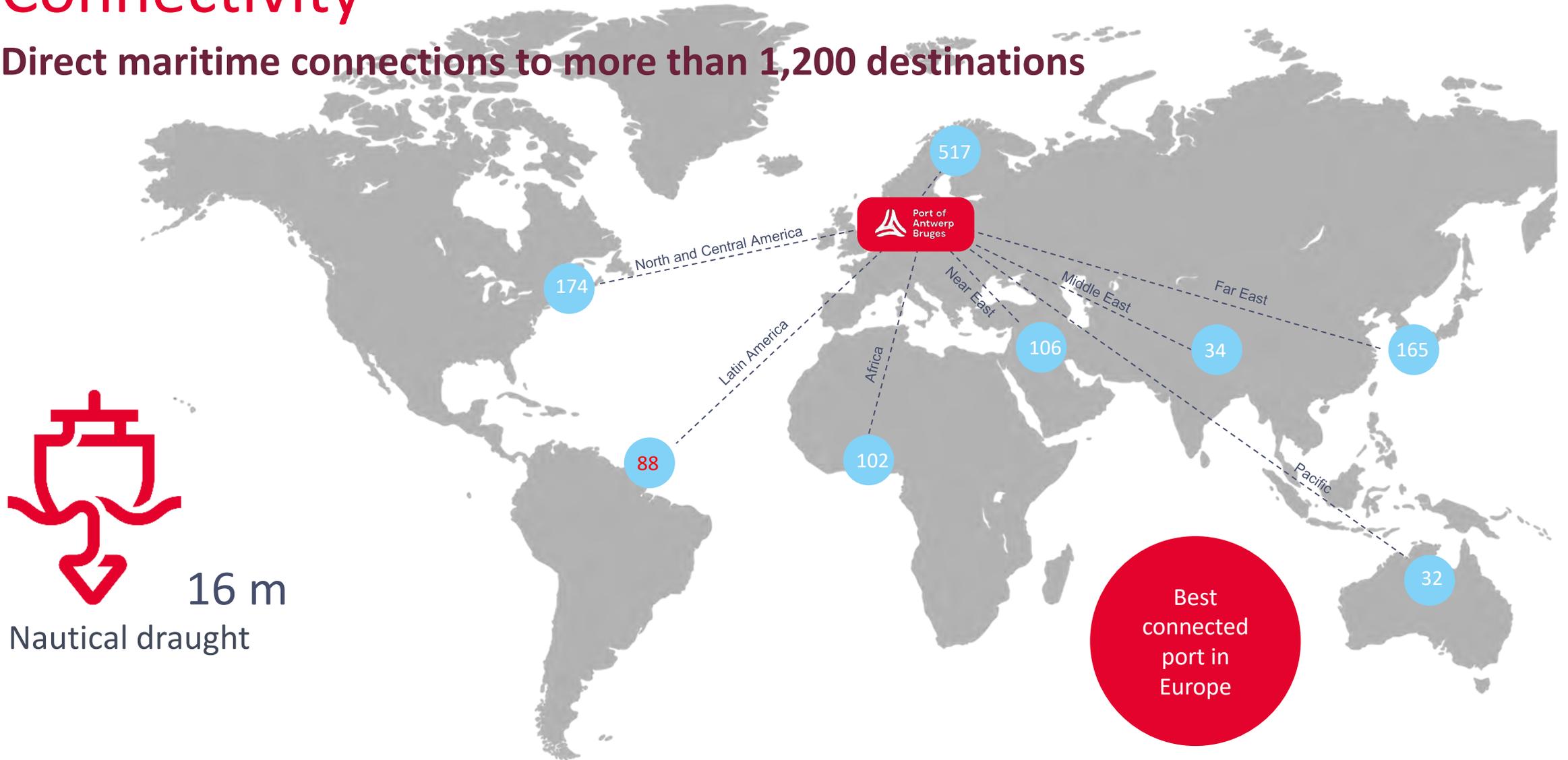
60% of European consumer market within range of 500 km

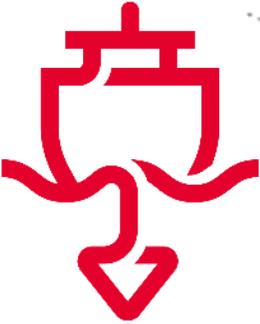
Hinterland (including industry)



Connectivity

Direct maritime connections to more than 1,200 destinations



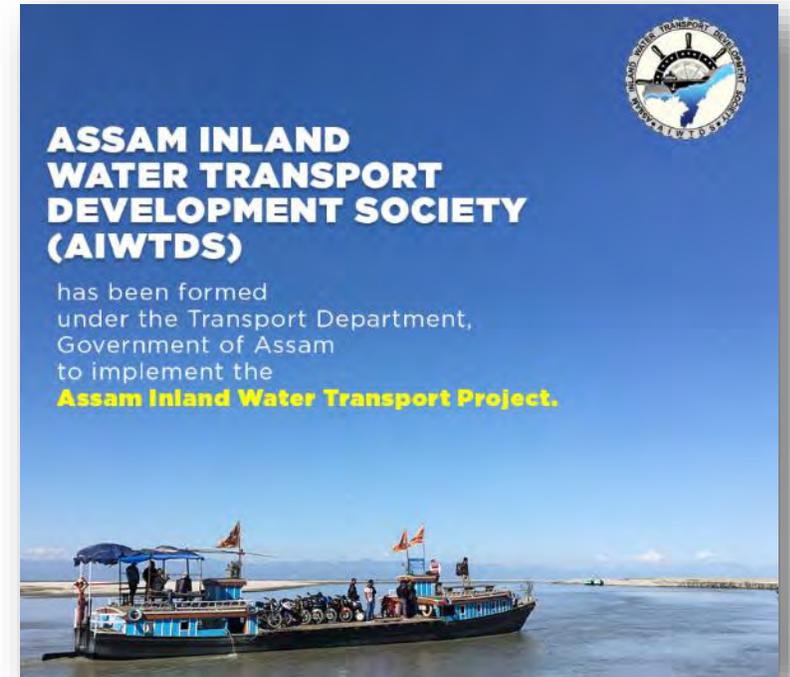

16 m
Nautical draught

Best
connected
port in
Europe

Assam: Inland Waterway Transport

Scope

- Design an integrated strategy to attract **more passenger and cargo transport** along the Brahmaputra (NW-2).
- Aimed at elevating service quality, ensuring the waterways meet International Standards.
- The project seeks to **modernise and streamline the transportation system** for passenger and goods movement by integrating advanced passenger and vehicle ferry services into Assam's transport network.
- Additionally, AIWTDS promises to promote **environmentally sustainable modes of transportation**. By encouraging the adoption of eco-friendly practices, the project aligns with global efforts to mitigate the impacts of climate change.



Objectives

- Develop a safe, inclusive, climate resilient and green waterways transport network
- Help develop green transit modes as the backbone of connecting Assam with mainland India and regional markets.

Angola: Port Hinterland Connectivity



Scope

- Design of a **National Port Strategy** where Port Hinterland Connectivity is one of the strategic pillars.
- Based on demand forecasts for each ports, generate a **nationwide connectivity plan**.
- Plan for **ALL** modes of transport: road, rail, inland waterway transport and pipelines.
- **Governance** strategy of overarching agencies, inland logistic terminal and platforms.



Objectives

- Connect Angolan inland and neighbouring countries with Angolan Ports.
- Improve flow of goods.
- Create access to markets for remote areas.
- Accelerate national and regional economic growth.

Case

Port Autonome de Cotonou *Zone Logistique*

Port Autonome de Cotonou | *Zone Logistique*



Project description

- The logistics zone in the Port of Cotonou is located within the port boundaries and as part of our masterplan dedicated to centralise and attract logistics activities to strengthen the position of the Port of Cotonou as a gateway for the subregion.
- POABI will develop this logistics zone together as a majority shareholder with the Port Authority of Cotonou in a 60/40 joint venture.
- Strong link with the further development of the Cotonou-Niamey Corridor, and the further strengthening of the port as the major economic driver of Benin.

Cote d'ivoire: Ferkessédougou dry port

Objectives:

- Decongestion of Abidjan Port
- Local economic development
- Expansion of Abidjan Port hinterland

Characteristics:

- Multimodal (road and rail)
- Logistics hub and SEZ (700 ha)
- Half-way Abidjan, Bamako, Ouagadougou

Key to success:

- Multi modal connectivity excellence
- Full-service customs
- Level playing field by corridor and dry port management framework
- Integration in local industrial clusters



Under development

- Construction of basic infrastructure
- Dry port management framework
- Corridor management framework

Tanzania: Kwala Dry port

Objectives:

- Decongestion of Dar es Salaam Port
- Logistical excellence
- Local economic development

Characteristics:

- Multimodal (road and rail)
- Logistics hub (60 ha) and SEZ (502 ha)
- Crossroads central, N and S corridor at 100 km north of DSM

Key to success:

- Multi modal connectivity excellence
- Full-service customs



Under development

- Basic infrastructure available
- Dry port management framework
- SEZ: identify industrial clusters and go to market
- SGR connectivity

Solution

Digital & Business Analysis



Digitalisation & Strategy

Digital Maturity Scan, Digital Strategy Development, Digital Strategy Implementation Guidance



Security & Compliance

ISO 27001, Cyber Resilience, GCR (Governance, Compliance & Regulations)



Smart Ports

Port/Terminal Business Process Analysis, Port/Terminal Systems & Innovations



Maritime Single Window (MSW)

MSW Framework, MSW Requirements Analysis, MSW Implementation Guidance



Port Community System (PCS)

PCS Framework, PCS Requirements Analysis, PCS Implementation Guidance



Want to know more?

Digitalisation is essential in today's maritime world.

The Digital & Business Analysis Solution helps to ensure ports make best use of technological solutions to optimize their operations in a cyber-secure way.



Tom De Smedt
Solution Lead

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Digitalisation & Strategy

ICT Strategy & Governance for Namport



Challenges

Namport is gradually transforming into a landlord port and had a need to review its ICT strategy and governance model.

PoABI was tasked to review the existing strategy and assist Namport in co-creating a new ICT strategy and governance.



Approach

The project was conducted in two distinct phases.

In the first phase the “As-Is” situation of the ICT strategy was evaluated, through the review of existing documents and extensive discussion with various involved parties, from the CEO and other executives to the individual members of the ICT department.

The second phase consisted of co-creating a digital strategy, whereby we focussed on aligning the corporate strategy and ICT strategy, defining processes for improving innovations, selecting new systems and implementing projects, to the identification of the need for new technologies and systems, as well as the governance of the ICT department and its various projects.



Result

The initial “As-Is” report helped Namport in identifying and assessing its current ICT strategy as well as the areas where improvement were desirable.

As a result of the second phase, Namport received valuable input for the future ICT strategy which was to be further developed.

Location: Walvis Bay, Namibia

Financed by: Namport & EU

Client: Namport

Duration: 06/2023-02/2024



Project: Tanzania Ports Authority – operational excellence

Digital scope



Update digital strategy in line with 5th CSP

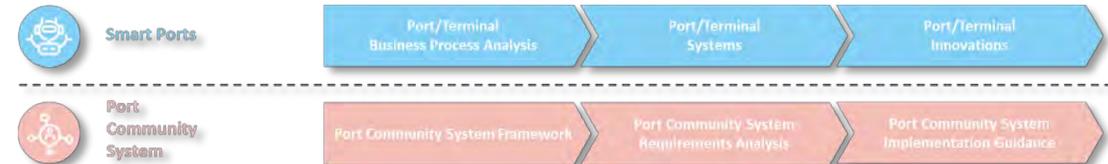
- Digital maturity scan & review current strategy
- Development new strategy & digital roadmap

Information Security Management System (ISO27001)

- Risk assessment
- Statement of applicability
- Policies

Various IT improvement projects

- Port performance monitoring
- SAP migration (PMIS)
- Asset Management System





Maritime Single Window System

Port Autonome de Cotonou



Challenges

With the IMO obligation towards all member states of using a Maritime Single Window system for the electronic declaration of vessel call announcements and associated information, Benin is required to modernize its systems.



Approach

Port of Antwerp-Bruges International assisted the Port Autonome de Cotonou in understanding the need for a Maritime Single Window system and how to undertake this project.

The Port Autonome de Cotonou, with the support of Port of Antwerp-Bruges International, has taken the initiative to determine the requirements of the port and maritime authority related to a Maritime Single Window through consultations with all involved stakeholders.

Representatives from the port were also invited to participate in the MSW seminar organised by APEC.



Result

PAC and PoABI jointly developed a functional and non-functional requirements document, which forms the basis of a Terms of Reference document for public procurement.

PoABI is further assisting PAC in the analysis of the received responses.

Location: Cotonou, Benin

Financed by: PAC

Client: Port Autonome de Cotonou

Duration: 06/2023-ongoing



Solution

APEC



Annual Port Courses

Annual Standard Port Courses (Combi & Live), Alumni Engagement



Tailor Made Courses

Tailor Made Courses, Alumni Engagement



Training Assessment

Training Needs Assessment, Training Plan Development, Training Plan Implementation



Training Tools

Port Endeavour Game, Concession Game, Ideation Workshop



APEC Connect

Alumni Engagement Programmes & Events (Online & Live)



Want to know more?

The APEC Solution turns port knowledge into power – linking port professionals worldwide with the skills, insights and connections to steer resilient, sustainable, high-performing ports.



Carolien De Vries
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1977

More than 45 years
of experience

+150

Countries

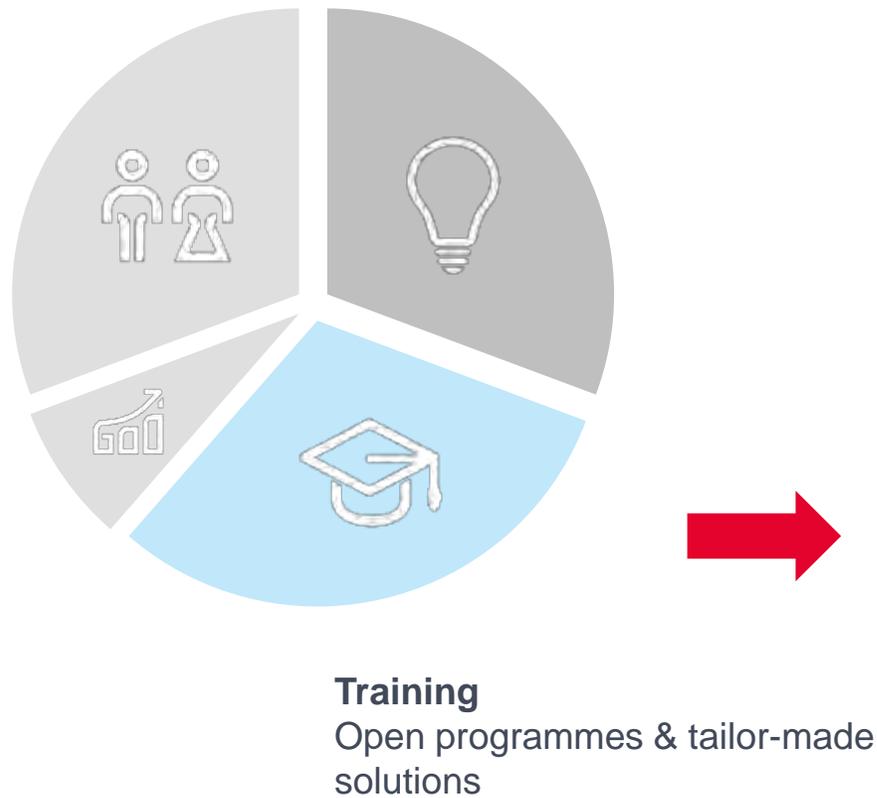
+22.000

Alumni



Local training institutes in China & India
And more coming in Africa, Latam, etc.

APEC programme offering



2025 Open-enrollment programme

- Port management & strategic masterplanning
- Smart Port Technologies
- International Port Strategy
- Dredging technologies
- Supply Chain Management & Hinterland Connectivity
- Energy Transition – A port's perspective
- Port Logistics
- Business Development
- Health, Safety, Security
- Container Terminal Management

Full information on apecporttraining.com

Strategic Partnership: NV Havenbeheer Suriname



Port of
Antwerp
Bruges
International



HAVENBEHEER
SURINAME
Port Management Company

Suriname Port Training Institute

- Combining regional knowledge and APEC's global training standards and experience into **a unique formula**.
- Strengthening Suriname's position as a logistics and maritime **training hub** in the CARICOM region.
- Providing blue and white collar **high-quality capacity building** programs improving workforce capabilities.
- Facilitating transfer of best practices and advanced technologies from a **world class port**.
- Accredited training programs with the **ability to customize** to meet regional challenges.
- Opening **international collaboration** opportunities with ports and logistical institutions.



Thank you!

Let's connect and co-
create your future!

For questions: Email Tim & Maartje!

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