The International Maritime Transport and Logistics Conference "Marlog 10"

Digitalization in Ports & Maritime Industry



Smart Port of the Future – Digital transformation of the port community in the Port of Antwerp

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"Marlog 10" The International Maritime Transport and Logistics Conference Port of Antwerp DNA Belgium's biggest economic driver **20.7** 238 12,068 Million tonnes of billion € hectares maritime freight added value 600 144,000 1,000 4.8% jobs companies **GDP** International

International Network

Creating links with maritime regions worldwide

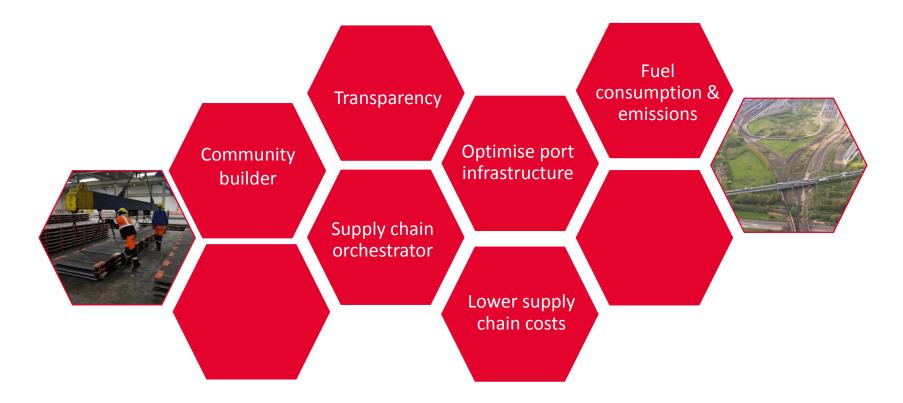








Challenges and opportunities







Digital strategy Port of Antwerp

Focus on five domains

Infrastructure services

- 5G
- Digital workplace
- Smart camera network
- Radio network
- Radar network
- Network of sensors

Digital business solutions

- Tailor made and off the shelf applications
- APICS Port Management System
- Digital asset management
- Port Community applications
- Low code no code

Cyber resilience

- Cyber security
- Cyber resilience
- User awareness
- Port community consultations

Innovation enablement

 Stimulate innovation at the Port Authority and the Port Community Data & analytics

- Data availability
- Data quality
- Combining data sources
- Data analysis& reporting
- Data science





Building blocks of POA innovation strategy

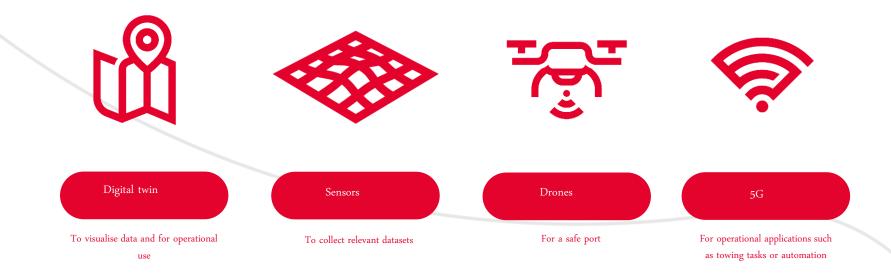






Digital network

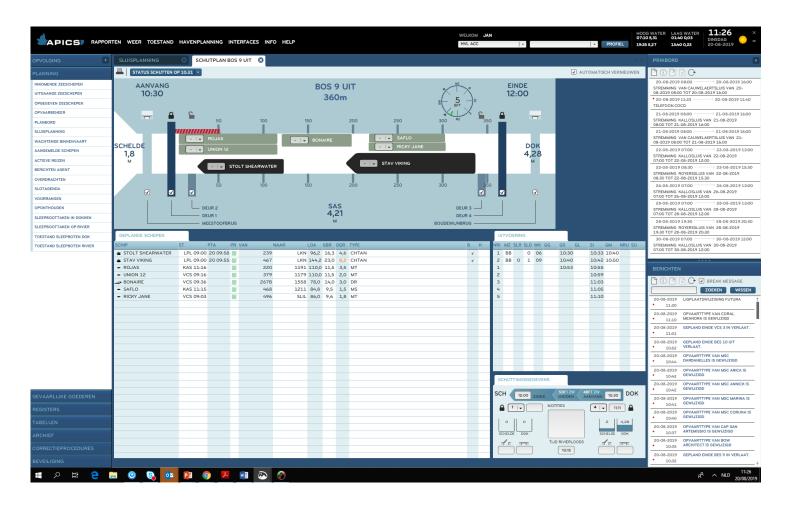
Digital nervous system for efficient, safe and sustainable operations







APICS – Port Management System



Adoption of digital technologies

Wearables to support 1,5 m distancing – first port to test



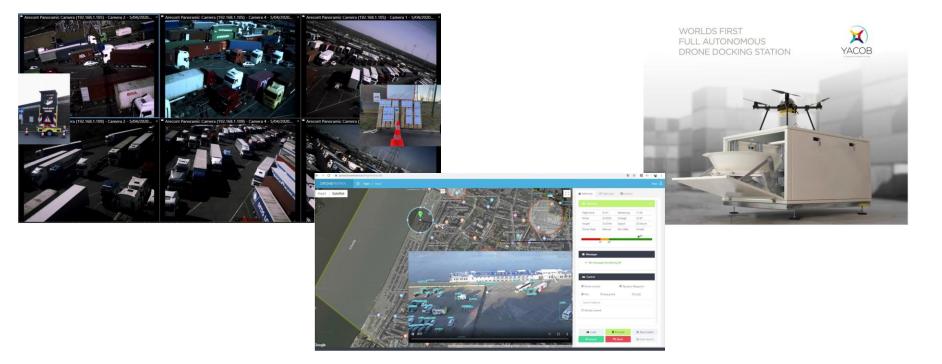








Monitoring of truck parking with autonomous drone







"Marlog 10"

Thank you





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