



Organized by:



Port de Barcelona



19 - 20 November 2019 9:30 - 17:30h - SESSIONS BOOTH #409

DAY 1

19 November 2019



09.30

Opening and Welcome from Port of Barcelona

Santiago García-Milà, Deputy General Manager, Port of Barcelona

DIGITAL

09.40

Project 5G MoNarch

Testing the realization of underlying concepts regarding the use of 5G slices in real test environment to be able to improve them later on in the process.

Jens Meier, Chairman of the Management Board, Hamburg Port Authority

10.00

Electronic Navigation

Being a river port confronted with fluctuating water levels, the Port is suffering from adverse industry perceptions on water levels.

Daniel Olivier, Director Business Innovation, Port of Montreal

10.20

Designing a disruptive model of Terminals

To be confirmed

10.35

Coffee networking

10.45

Pronto, optimize your port calls

Provides shipping companies, agents, terminals and other service providers with a shared platform that they can use to Exchange information about their port calls.

Thea de Vries, Director Marketing & New Business - Digital Business Solutions, Port of Rotterdam

11.05

Port Optimizer

Integrate data across the port ecosystem, combining machine learning and Deep domain expertise. A single location for different stakeholders to share data

Eric Caris, Director Cargo Marketing, Port of LA

11.25

Digital Twin

Using aerial photos captured by drones will be used to create an augmented and virtual reality and virtual reality application that will allow an immersive experience of the port.

Piet Opstaele, CEO, Port of Antwerp

11.45

Terminal BEST Project

To be confirmed

AGORA MIP

12.00

Drones Open Innovation

Open innovation platform to accelerate the development and testing of the drone technology. Results will be explained.

Piet Opstaele, Innovation Lead, Manager Innovation, Port of Antwerp

12.15

CTA Container Tracking Application

The CTA is a Container Trucking Application system that consists of being able to track containers online before, during and after their entry into the Port of Barcelona. This system provides us with all the data of the containers only with the registration number.

Emma Cobos, Business Development Manager, Port of Barcelona

12.30

Port City Model

Jens Meier, CEO, Port of Hamburg

DIGITAL

12.45

Satellite platform project

To be confirmed

13.00

Networking Lunch

14.00

Real time monitoring

Demo of their new track tool “Real time Monitoring”. Sensors that are putted on the goods and give geographic information, detect collisions, door opening and variations of the temperature. Displays restitution screens, with color alerts.

To be confirmed

14.20

Strength of a collaborative supply chain

After encountering a logistical problem, Buyco provides solutions to the needs of the maritime logistics chain to share documents in it.

Carl Lauron, BuyCo

Frédéric Buchère, ALTEO

14.40

TRAXENS: Connecting the dots

Tracking solution for sea containers and rail cars, combining connected boxes and a cloud platform for data collection and processing.

To be confirmed

15.00

BIM Project

Jens Meier, Port of Hamburg

ENVIRONMENT

15:20

Solar Power

The Port is helping to reduce harmful greenhouse gases

Eric Caris, Director Cargo Marketing, Port of LA

15:40

Hydropower

Producción de energía verde basada en flujos de marea sobre esclusas. Primera turbina construida para generar esta energía.

Piet Opstaele, Innovation Lead, Manager Innovation, Port of Antwerp

15:55
Coffee networking

16:15
Oceans Clean up
Cleaning up the Great Pacific Garbage Patch using conventional methods – vessels and nets – would take thousands of years and tens of billions of dollars to complete. Our passive systems are estimated to remove half the Great Pacific Garbage patch in just five years, and at a fraction of the cost.
To be confirmed

16.35
Echodrone: Autonomous sounding boat
Piet Opstaele, Innovation Lead, Manager Innovation, Port of Antwerp

16.55
Wave to make energy
The movement of the floaters compresses and decompresses hydraulic pistons which transmit bio-degradable hydraulic fluid into land located accumulators. In the accumulators, at a pressure is being built. This pressure rotates a hydraulic motor, which rotates the generator, and then the electricity is transferred into the grid, via an inverter.
To be confirmed

17.15
Bound4Blue – Smart Challenge Catalonia 2018 Award
Innovative wingsail system to be integrated onto a wide range of vessels. The system has been conceived as a complementary propulsion system, which produces effective thrust from existing winds.
Jose Miguel Bermúdez, Co-founder, Bound4Blue

17.35
Inoses
IOT are a network of sensors to detect and identify volatile organic components to determine air quality.
Piet Opstaele, Innovation Lead, Manager Innovation, Port of Antwerp



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DAY 2

20 November 2019



ENVIRONMENT

09.30

Smart Green

Carles Mayol, Sales manager, Port of Barcelona

09.50

Clever Volume – Smart Challenge Catalonia 2019 Award

Have developed a system to automatically measure the volume and weight of waste from ships in the port of Barcelona.

To be confirmed

MOBILITY

10.10

Smart Intermodal Route Planner

Offers digital solutions for shippers, freight forwarders and traders who want to increase their insight and control of their logistic chains.

Thea De Vries, Director Marketing & New Business - Digital Business Solutions, Port of Rotterdam

10.30

Digital Twin

Using aerial photos captured by drones will be used to create an augmented and virtual reality and virtual reality application that will allow an immersive experience of the port.

Daniel Olivier, Director Business Innovation, Port of Montreal

10.45

Coffee networking

11.00

Smart Maritime Traffic Management

Enrique Cortada, Head of Control Tower, Port of Barcelona

11.20

Terminal Automated Gates

Quim Compte, Head of port and goods operations, Port of Barcelona

11.40

Connectainer

Francisco Aguilar, Cofounder and Coinventor, Connectainer Intermodal solutions

AGORA MIP

12.00

Towards a Smart Port - City interface

Integrating AI into Harbour Trucking Traffic Management

Daniel Olivier, Director Business Innovation, Port of Montreal

12.15
Port forward. Step by step towards a Smart connected port
Thea De Vries, Director Marketing & New Business - Digital Business Solutions, port of Rotterdam

12.30
Environmental Technology

To reduce port-related air pollution and related health risks. Including the Clean Truck Program and other components such as the world's first hybrid tugboat
Eric Caris, Director Cargo Marketing, Port of LA

DIGITAL
12.45
Portic Trucker Voice Assistant
The assistant supports truck drivers informing them about the current state of the documentation and the waiting time to access the port terminals. The assistant will be inquired using natural language and answering questions.
Javier Gallardo, Managing director, PORTIC

13.00
Networking Lunch

DIGITAL TWIN
14.00
Trucking PORTal
A support tool for truckers and dispatchers or providing real time visibility on truck turn times.
Daniel Olivier, Director Business Innovation, Port of Montreal

14.20
Port city model
Jens Meier, Port of Hamburg

CYBERSECURITY & BLOCKCHAIN
14.40
Cyber Resilience Center
Proposes the creation of a Cyber Resilience Center with Stakeholders. Would be a collaborative effort to share cyber threat information across a multitude of companies.
Eric Caris, Director Cargo Marketing, Port of LA

15.00
Application of Blockchain Technology

The transparency, security, simplicity and automation of processes that Blockchain enable us to eliminate counterpart risk, providing a solid foundation for creating highly customized services that interact in a digital, open and interconnected world.
Manuel Yagüe, Executive director, Everis

15.20
Blockchain maritime Transport: Bill of Lading
IPCSA Bill of Lading Proof of Concept
Port of Antwerp ePhytovia Blockchain Proof of Concept:
Proof of Concept was set up for a specific apple trade between New Zealand (Port of Napier) and the Port of Antwerp
PoC builds further upon Smart Contract building blocks, on top of the basic blockchain technology. Challenges of Implementation.
Javier Gallardo, Vice-president, IPCSA

15.40

IBM’s strategy for governance solutions in Europe

Governments need to digitally transform to deliver services citizens want and need. The public expects the agility and efficiency found in the private sector, and governments must embrace new technology, processes, ideas, and workforce skills to thrive.

Cristina Caballé, Executive Director of industry solutions, IBM

STARTUPS INNOVATION

Round table

16.00 – 17.00

PierNext

PierNext is a digital knowledge hub spearheaded by Port of Barcelona to report on the innovation that is transforming logistics and international trade, with an emphasis on ports and maritime trade.

Carles Rua, Head of Strategic Projects and Innovation, Port of Barcelona

Puertos 4.0

Plan to make the transition from the logistics-port sector to the 'smart ports' of the 4.0 economy.

Quim Martínez, Innovation and Managing Consulting Director, KPMG Innova Valley

TheDock Innovation Hub

First of its kind innovation hub and startups accelerator in Israel, focused on maritime technologies innovation.

Barak Lizerik, Business development and innovation manager, TheDock innovation

Startup Wharf

Startup Wharf is the first Accelerator specific to the Maritime sector. It focuses on Shipping, Ports, Maritime Services and Marine to create a Maritime Innovation Ecosystem.

Leonardo Zangrando, Founder at Startup Wharf Ltd

PORTS XL

The 1st *Port* & Maritime Accelerator to be established in the world. They don’t just accelerate startups, they drive innovation for the maritime ecosystem.

Vincent Vinkoert, Business Developer, PORTXL

Pier01

Pier01 is one of the most important projects of Barcelona Tech City. It is a building of more than 11,000 m2 where around 1,000 people from more than 100 companies and start-ups coexist. The space includes a coworking area, showrooms and common areas to encourage innovation and collaboration.

Ricard Castellet, CCO, Barcelona Tech City

Pier71 Singapore

Pier 71 creates programs to attract, build and accelerate startups, identify innovation opportunities within organizations as well as platforms to fuel exchange of knowledge.