



SMART PORTS 4.0 SUMMIT

29 - 30 September 2021

 Virtual Event

POST SHOW REPORT



29 - 30 September 2021 | Virtual Event

PRODUCER'S NOTE

The Smart Ports 4.0 Summit 2021 was held virtually on 29 and 30 September, focusing on the industry's technology revolution and key smart solutions in place and under development. The two-day event welcomed 27 speakers from leading organisations across the globe to discuss and share insights on the prospects and challenges hovering around the maritime sector.

The importance of well-functioning seaports for global and local industrial activities, trade, globalised production processes, and economic growth cannot be overemphasised. Global ports handle over 80 percent of global trade in volume and more than two-thirds of its value. As key nodes in global transport chains that provide access to markets, support supply chains, and link consumers and producers, ports are under constant pressure to adapt to changes in the economic, institutional, regulatory, operating, and now the digital revolution landscapes.



Growing competitive forces affecting ports emphasise the need for greater performance levels that extend beyond criteria such as the optimisation of operations, cost reduction, time efficiency, data transparency, port monitoring, and physical and virtual security. These factors are relevant to the global sustainability agenda and achievement of the sustainable development goals, as well as the technology revolution which, without a doubt, is taking place now.

Day 1 of the conference explored crucial topics like key standardisations and regulations in place, policies, cyber security acts and good practices, key practical solutions enhancing port operations flow and business operations, to finish on global megatrends and updates from international industry representatives. Day 2 was committed to the discussion on the importance of building trust amongst the value chain players, key technology developments in place and of the future, port automation, as well as cyber and physical security practices. Through insightful presentations, engaging panel discussions, case studies, and interactive sessions, the event answered the most pressing questions and brainstormed potential solutions.

The conference gathered port representatives, shipping companies, key technology developers, industry solution providers, regulatory bodies, associations, consultants, market analysts, and academia. The Wisdom team sincerely thanks the speakers, panelists, delegates, sponsors, exhibitors, media partners, and everyone else involved in the development and delivery of this event. It's their enthusiasm and unwavering support throughout that made it a very successful one.

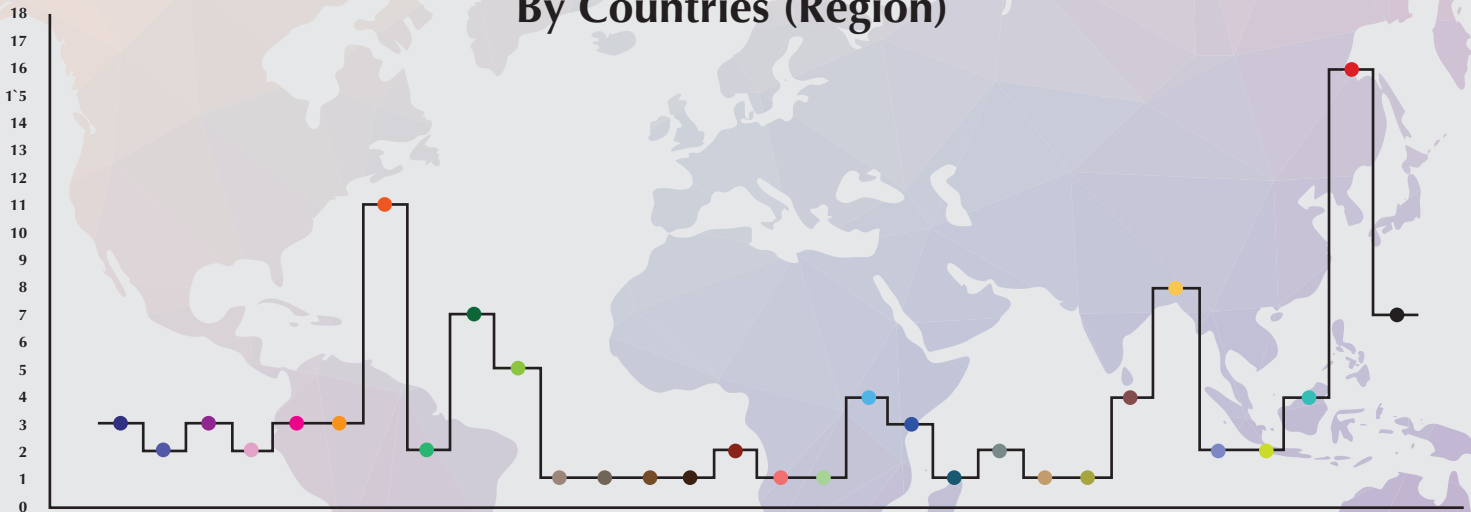
We look forward to having you with us at the 2nd edition of our Smart Ports 4.0 Summit for some more revolutionary discussions and valuable business networking and, in the meantime, we will be happy to welcome you at our Future of Maritime Solutions Summit, to be held on the 9 and 10 February 2022 in Gdansk, Poland. Till then, stay safe and stay tuned.

Best Wishes,

Sincerely,
Marta Hoffmann
Conference Producer

ATTENDEE BREAKDOWN

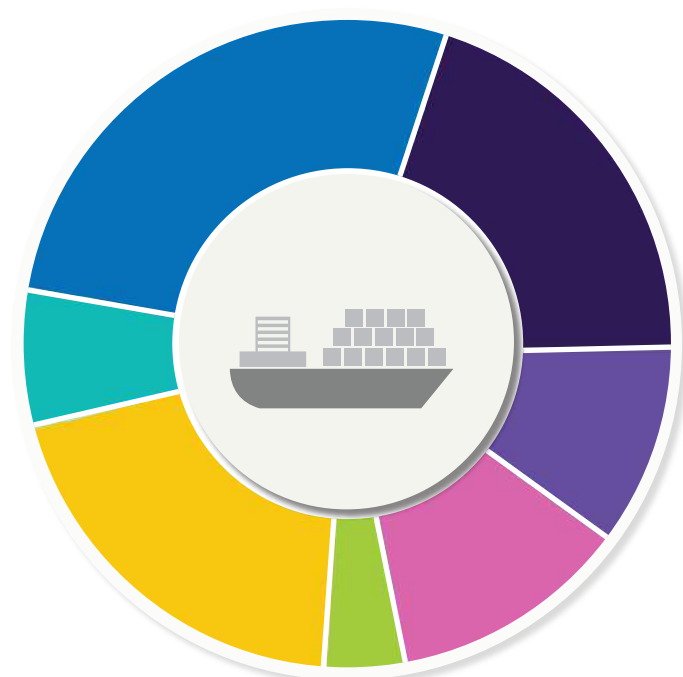
By Countries (Region)



- | | | | | |
|-------------|-------------|---------------|-------------|------------------|
| ■ Australia | ■ Finland | ■ Japan | ■ Norway | ■ Spain |
| ■ Austria | ■ France | ■ Lithuania | ■ Poland | ■ Sri Lanka |
| ■ Belgium | ■ Germany | ■ Luxembourg | ■ Portugal | ■ Sweden |
| ■ Canada | ■ Greece | ■ Mexico | ■ Russia | ■ Switzerland |
| ■ Cyprus | ■ Indonesia | ■ Namibia | ■ Singapore | ■ United Kingdom |
| ■ Estonia | ■ Israel | ■ Netherlands | ■ Slovenia | ■ United States |

By Job Position

■ CEO/Chairman/Founder	10%
■ CIO/CDO/IT Director / Heads of IT	12%
■ Cybersecurity specialists / heads	4%
■ Manager - Innovation / Digitisation / IT / Projects	20%
■ Policy & Trade, Operations, Finance	7%
■ CMO / Manager / Director - Sales, Marketing, BD	27%
■ Maritime, Environment, Port Operations	20%



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AGENDA

29 SEP 2021
WEDNESDAY

Central European Summer Time (CEST)

09:00 CHAIR OPENING REMARKS

09:15 CONFERENCE PRESENTATION: Standardisation and harmonisation of port activities: Digitalization at its best. Egypt single window and the Advance Cargo Information protocol use case



Igor Jakomin PhD, Deputy CEO, CARGO X

SESSION 1: Securing Ports' Physical and Virtual Infrastructure: Network and Information Security Directives (NIS, NIS) and Cybersecurity Act in Practice

09:50 Good Practices For Cybersecurity In Maritime



Dr Athanasios Drougkas, Cybersecurity Expert, Policy Development and Implementation Unit, ENISA

10:20 Securing Ports' Physical and Virtual Infrastructure: Network and Information Security Directives (NIS, NIS) and Cybersecurity Act in Practice



Jakub Boratynski, Head of Unit Cybersecurity & Digital Privacy Policy, EUROPEAN COMMISSION

10:50 CONFERENCE PRESENTATION: Company Wisdom - Is It All About To Retire And If So, How Do We Retain It



Mike Harris, Head of Aviation, Defence and Key Verticals, Lexx Technologies

11:15 PANEL DISCUSSION: Evaluating Industry Readiness and Strategy to Comply With Regulatory and Security Guidelines

- Bringing the industry's voice and experience of complying with sector regulations
- Enhancing the great need for Cyber Resilience guidance and strategy to deal with attacks
- Gaining a comprehensive strategy in place instead of bare solutions to secure the ports' data
- Dealing with financial obstacles in getting the most advanced technologies in place
- Debating on maritime cybersecurity educational needs

Panel Moderator: Prof. Nineta Polemi, Professor, University of Piraeus

Mira Juola, Finance & Port Digitalization, Port of Oulu

Mark Simmonds, Director of Policy & External Affairs, British Ports Association



12:00 NETWORKING LUNCH

SESSION 2: A Clear Strategy Towards a Harmonised Digital EcoSystem Across the Maritime Supply Chain

13:00 Enlarging Containerships vs. Ports in Global Supply Chain



Masahiko Furuichi, Secretary General, International Association of Ports and Harbors

13:30 Implementation of Just-in-Time arrivals: practical aspects



Dmitry Rostopshin, Head of Ship Traffic Safety & Port Operations Solutions, Wärtsilä Voyage

14:00 Digitalization of the Maritime Supply Chain through Flexible Data Connectivity and Multiple Sources



Geesche Laksola, Head of Business Development, Youredi

14:30 A Clear Strategy Towards a Harmonised Digital EcoSystem Across the Maritime Supply Chain



Richard Morton, Secretary General, International Port Community Systems Association IPCSA

15:00 AFTERNOON COFFEE & NETWORKING BREAK

SESSION 3: Most Recent Updates on Global Digitalisation Trends and Technologies

16:00 Working together towards a low emission future



Christine Rugby, Senior Air Quality and Climate Specialist, Port of Vancouver

16:25 Clean air and Climate action at the Northwest Seaport Alliance



Fred Felleman, Commission President, Port of Seattle

16:50 Bringing Onboard Wireless Connectivity to the Maritime Industry



Arlid Sæle, CEO, CCO & Founder, ScanReach

17:10 CLOSE OF DAY 1

30 SEP 2021
THURSDAY

Central European Summer Time (CEST)

09:00 CHAIR OPENING REMARKS

09:10 **PANEL DISCUSSION: Building Trust Amongst the Supply Chain Players: Analysing the Importance of Collaboration Between Different Stakeholders**

- How to build trust between logistic parties, ship owners, solution providers, and ports management?
- Example of technologies which could benefit the greater logistic structure
- Transparent data distribution to all parties
- Best solutions to collect data and distribute it locally and internationally

PANEL MODERATOR:**Jan Egbertsen, Manager Innovatie, Port of Amsterdam****Desmond Tay, Head of the Maritime Technology Ecosystem Development in MPA, Port Authority of Singapore****Andre Simha, Chief Digital & Information Officer, MSC Mediterranean Shipping Company****SESSION 4: Evaluating Key Emerging Trends & Advancements: Blockchain & 5G Technologies**09:50 **Blockchain Technology developments and their impact on port's digital evolution and logistics of the future****Miguel Llop Chabrera, Director of the Digital Transformation department, Port of Valencia**10:20 **5G and Blockchain Technologies: How digital innovation paves the way for a new service offering****Jerome Besancenot, Digital Transition Project Director, HAROPA PORT**10:50 **Vision and Developments of POR Including the Development and Launch of a Global Platform to Propel Seamless Trade, Underpinned by Blockchain****Raoul Tan, Port Ecosystem & Global Platforms, Port of Rotterdam****SESSION 5: Evolution of Ports Into Fully Integrated Innovation Hubs**11:20 **Energy Storage for Zero Emission Port****Anil Srivastava, CEO, Leclanché S.A.**

11:50 Building the Port of the Future

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

12:20 Creating a Port Innovation Hub: What To Consider

Carles Rúa Costa, Head of Innovation, Port of Barcelona

12:50 NETWORKING LUNCH**13:30 CONFERENCE PRESENTATION: Fully Autonomous Ports of the Future: Are We Heading Towards Complete Automation of Port Operations?**

Richard Hardiman, Founder and CEO, RanMarine Technology BV

13:55 CONFERENCE PRESENTATION: Leveraging Cybersecurity Capability Maturity To Drive Port Operational Resilience

Andrew Baskin, Vice President of Global Policy and Trade and General Counsel at HudsonAnalytix, HudsonCyber

SESSION 6: Making the Most of the Key Technology Advancements Already in Place**14:20 Port Flow Optimization - Solution based On Nordic Best Practices**

Petri Kalske, Head of Industrial Solutions, Unikie Oy

14:45 Los Angeles Port Police UAS

Captain Kevin McCloskey, Commanding Officer of Maritime Operations, Port of Los Angeles Port Police

15:20 CHAIR CLOSING REMARKS

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