



CONTAINER TERMINAL AUTOMATION CONFERENCE EUROPE

17 - 18 APRIL 2024

VALENCIA, SPAIN

CONFERENCE AGENDA

EUROPE'S TERMINAL
TECHNOLOGY HUB



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AUTOMATION CONFERENCE
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Exhibitors



DAY ONE AT CONTAINER TERMINAL AUTOMATION CONFERENCE 2024

MORNING SESSION

7:30AM - 8:50AM

REGISTRATION & BREAKFAST NETWORKING SPONSORED BY PORTCHAIN

Join us as we kick off this year's edition of CTAC 2024. Collect your badge from the registration desk and grab a coffee for the first opportunity to network with other conference delegates, as we await our opening talk!

8:50AM - 9:00AM
OPENING REMARKS

WELCOME TO CTAC 2024 FROM PORT AUTHORITY OF VALENCIA

Port Authority of Valencia launch CTAC 2024 with a preview of what is to come across two days of content.

Juan Manuel Díez, *Innovation Director*, Port Authority of Valencia

9:00AM - 9:30AM
OPENING KEYNOTE

OPENING KEYNOTE FROM REALTIME BUSINESS SOLUTIONS

Harry Nguyen, *CEO & Founder*, RBS

9:30AM - 10:30AM
PANEL AND Q&A

ARE YOU AUTOMATION READY? QUESTIONS CONTAINER TERMINALS MUST ASK THEMSELVES BEFORE IMPLEMENTING NEW PROJECTS

Automation projects are complex and costly, and as a result, new implementations should be carefully considered before getting the green light. Terminals must determine if automation will outperform conventional operations if they are to build a business case.

This session will consider qualifiers container terminals must meet if they are to embark on new automation projects and allow us to speculate about the adoption of automation in the years to come.

- **Economic viability:** how accurately can you predict productivity metrics and justify investment?
- **Future-proofing:** will full or semi-automation readiness still be key to thriving in a future of rising volumes, megaships, smart containers and technological advancements.
- Evaluating your **terminal-specific variables** such as land availability, environmental objectives and safety considerations.
- How to align your automation ambitions with ongoing **electrification and decarbonisation objectives**. What comes first?
- How can the ease of implementation and performance ceiling of automation projects be improved with the adoption **a common set of industry standards?**

Christian Blauert, *Global Director Port & Terminal Development*, Moffatt & Nichol

Stefan Hillenbrand, *Head of Program Management, Strategic Modernization*, APM Terminals

Hannah Ohorn, *Head of Automation Project*, Eurogate

Bart Noothoven, *Dir Projects & Development*, Terminal des Flandres (Terminal Link/CMA-CGM)

Peter Szelei, *Senior Director Business Development*, FERNRIDE

10:30AM - 11:00AM

NETWORKING BREAK SPONSORED BY GULLSEYE

11:00AM - 11:30AM
KEYNOTE ADDRESS

NAVIGATING THE SEAS OF AUTOMATION: REVOLUTIONISING CONTAINER PORT OPERATIONS WITH FULL-STACK AUTOMATION SOLUTION

This keynote presentation will focus on the evolution of automation technologies and their growing impact, with a particular emphasis on accelerating automation of horizontal transportation. The speaker will also discuss Westwell's cutting-edge solutions for automating horizontal transportation within container ports, and explain how Westwell's technologies and solutions advance port automation and help transform container port operations.

Ji Zhang, *Regional Director, Westwell*

11:30AM - 12:30PM
PANEL AND Q&A

SELECTIVE AUTOMATION: A REALISTIC APPROACH

The initial investment cost of 'full' or 'semi' automation is the most prohibitive factor for the majority of container terminals, in addition to scarcity of land, impact on workforce and more. However, those terminals that do not belong to the 4% that have adopted semi to full automation, **can** still take positive steps toward an increasingly technologically advanced future.

This session will showcase how a '**selective automation**' approach allows terminals to automate specific processes according to the immediate needs and context of their operation, without incurring the costs and risks typically associated with full automation.

Yvo Saanen, *Managing Director, Portwise*

Anton Bernaerd, *Business Development Director, Camco Technologies*

Ashish Panda, *Product Manager (Automation), Navis*

Martin Tremblay, *Executive Director of Information Technology, Montreal Gateway Terminals*

Frank Kho, *Senior Advisor, atai*

12:30PM - 13:30PM

NETWORKING LUNCH SPONSORED BY THREE GROUP SOLUTIONS

DAY ONE AT CONTAINER TERMINAL AUTOMATION CONFERENCE 2024

AFTERNOON SESSION

13:30PM - 13:45PM
KEYNOTE ADDRESS

HOW TERMINAL INVOLVEMENT IS THE KEY TO REAL AUTOMATION SUCCESS

Rodrigo Garro, *Sales and Marketing Manager, TMEIC*

Joan Carbó, *Asset Digitization Project Engineer, APM Terminals Valencia*

13:45PM - 14:00PM
KEYNOTE ADDRESS

BROWNFIELD TERMINAL AUTOMATION: PITFALLS AND STRATEGIES

Zack Lu, Senior Project Manager and Consultant, Portwise

14:00PM - 15:00PM
PANEL AND Q&A

TRANSFORMING PORT OPERATIONS WITH AUTOMATED AND ELECTRIFIED VEHICLES

Fully automated and electrified container handling vehicles have arrived and they promise to transform terminal operations and decarbonise the industry. Implementations promise to make terminal operations safer by reducing dangerous manned tasks, greener by replacing fleets running on conventional fuels and more efficient by utilizing cutting edge automation technology.

This session will showcase complete solutions for automated vehicles and charging, while considering the challenges of implementation today and the potential for widespread adoption in the future.

Robin Audenaerdt, Managing Director, Audenaerdt Project Management

Ji Zhang, Regional Director, Westwell

Daan Nap, Sr. Business Development Manager Ports & Transportation, Rocsys

Giorgio Corbellini, Lead - Commercial Vehicle Automation (CVA) Business Unit, Embotech

15:00PM - 15:30PM

NETWORKING BREAK SPONSORED BY GULLSEYE

15:30PM - 15:45PM
KEYNOTE ADDRESS

PRESENTATION FROM SIEMENS

Gerhard Fischer, Head of BD Harbour Cranes, Siemens

15:45PM - 16:45PM
PANEL AND Q&A

SMARTER, FASTER & GREENER: THE NEXT GENERATION OF CONTAINER HANDLING EQUIPMENT

EU & IMO regulation is incentivising container terminals to electrify their fleet and eliminate fossil fuels from their operation, and find innovative solutions to maximise efficiency and capacity. The next generation of equipment will combine the pinnacle in automation with full electrification, but we must ensure that these solutions can be widely implemented if they are to fulfil their transformative potential.

This session will showcase the innovative container handling solutions that will take the industry to new heights, featuring a panel discussion that will bring together our panelists to discuss the future in container handling, discussing capacity challenges, electrification and the future of automation.

- **Expanding horizons with BOXBAY:** BOXBAY demonstrate their new variant for empty container storage.
- Showcasing the 'new standard' in electrified, automated container handling equipment as **Kalmar demonstrate their electrification of AutoStrads.**
- **Future proof:** Maximising capacity and new solutions for empty container storage.

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- How important is **'automation readiness'** for conventional terminals investing in new electrified equipment?
 - **Prohibitive factors:** what stands in the way of widespread adoption?
 - How the next generation of CHE will help terminals to achieve **environmental and economic** targets simultaneously.

Pat O'Leary, *Head of Technology, PEMA*

Mathias Dobner, *Chairman, BOXBAY*

Oskari Tahtinen, *Product Manager Automation Software, Kalmar*

Luis Canto, *Chief Technical Officer, Yilport Holdings*

Luisa Kempf, *Senior Manager Sustainability & Energy Transition, Eurogate*

16:45PM - 17:30PM
PANEL AND Q&A

INTERMODALITY: THE VITAL ROLE OF CONTAINER TERMINALS IN ACHIEVING OPTIMAL SUPPLY CHAIN PERFORMANCE

The demand for fast, flexible and sustainable container transportation has caused a shift towards intermodal adoption, and container terminals have a crucial role to play, connecting worldwide markets to European inland networks.

This session will consider how terminal operators must invest and strategise, to ensure that they serve as hubs and not bottlenecks in the intermodal supply chain.

- **Intermodal infrastructure:** How can terminals invest in infrastructure that will streamline inland container movement?
- **Automation, innovation, and integrating new technologies** to transform intermodal connectivity.
- **Digitalisation & Collaboration:** are standardisation and interoperable data key?

Que Tran, *Vice President - Technology and Transformation, Europe, DP World*

Jon Arnup, *Founder & CEO, Trent Port Services*

Adriaan Landman, *COO & Co-founder, Allread*

Sven Zoelle, *Managing Director, DGT Duisburg GmbH*

17:30PM - 17:35PM
CONFERENCE CLOSE

DAY ONE CLOSING REMARKS

Benjamin Heather, *Head of Events, Port Technology International*

19:30PM - 21:30PM
NETWORKING EVENT

EVENING DINNER SPONSORED BY PRODEVELOP

DAY TWO AT CONTAINER TERMINAL AUTOMATION CONFERENCE 2024

MORNING SESSION

<p>7:30AM - 8:45AM</p>	<p>BREAKFAST NETWORKING SPONSORED BY PORTCHAIN</p> <p>Join us for the start of day two at CTAC 2024. Grab a coffee and chat with other conference delegates, as we await the first session.</p>
<p>8:45AM - 8:50AM OPENING REMARKS</p>	<p>INTRODUCTION TO THE SECOND DAY AT CTAC 2024</p> <p>Benjamin Heather, <i>Head of Events</i>, Port Technology International</p>
<p>8:50AM - 9:20AM OPENING KEYNOTE</p>	<p>AI, OR & Y.O.U: ENHANCED OPERATIONAL EFFICIENCY BEYOND THE BUZZWORDS</p> <p>Rafael Velasquez, <i>Director Optimization and Integration</i>, INFORM</p>
<p>9:20AM - 10:15AM PANEL AND Q&A</p>	<p>OPTIMISING WITH ARTIFICIAL INTELLIGENCE: IDENTIFYING WHERE AI CAN ASSIST YOUR OPERATION</p> <p>The key to unlocking the potential of Artificial Intelligence in your terminal is by evaluating the specific needs of your operation and identifying the most opportune areas for AI implementation.</p> <p>Sounds simple, but, how do container terminals determine where AI can optimise their operation and assist their workforce? And what implementation challenges need to be considered if you are to deploy a successful AI project?</p> <p>Yvo Saanen, <i>Managing Director</i>, Portwise</p> <p>Alex van Winckel, <i>Director Strategic Relations and Sales</i>, INFORM Harry Nguyen, <i>CEO & Founder</i>, RBS Ramana Jampala, <i>President & CEO</i>, Avlino Sven Valentin, <i>General Director</i>, MSC Terminal Valencia</p>
<p>10:15AM - 11:00AM PANEL AND Q&A</p>	<p>AUTOMATION & AI: THE FUTURE OF WORK IN CONTROL ROOMS</p> <p>This open discussion will highlight how the introduction of Automation & AI at Container Terminals has introduced challenges in the organisation and function of control rooms. The opportunities brought by a paradigm shift where much more structure data is available, allows staff to make more educated decisions with equipment, systems and people performing in harmony.</p> <p>The session will debate different points of view from terminal operators transforming their organisation with automation and the foreseen evolution with AI, highlighting that the "more automated a terminal is, the more reliant we will be on the human brain".</p>

Oscar Pernia, *Founder and Technical Lead, NextPort.AI*

Luis Canto, *Chief Technical Officer, Yilport Holdings*

John Alvarez, *IT Director of Terminal Development, Fenix Marine Terminal*

Hein Chetcuti, *Operations Development Manager, Malta Freeport Terminals*

11:00AM - 11:30AM

MORNING NETWORKING COFFEE BREAK

11:30AM - 11:45AM

KEYNOTE

LEVERAGING STANDARDS FOR REPLICABLE AUTOMATION AND IMPACTFUL DIGITALISATION

Oscar Pernia, *Founder and Technical Lead, NextPort.AI*

Boris Wenzel, *Founder & Chairman, TIC 4.0*

11:45AM - 12:45PM

PANEL AND Q&A

UNLOCKING THE NEXT LEVEL OF TERMINAL OPERATIONS EFFICIENCY: HARNESSING THE POWER OF DIGITALISATION

Digitalisation is changing the way that container terminals operate, but **persistent challenges** stand in between operators and their most efficient, accurate and safe, fully digitalised form.

This session will unpack how container terminal operators can evaluate their level of digitalisation and **shape their future strategy** to ensure that they successfully implement the transformation projects that will allow them to operate at their fullest potential, utilise AI and enable innovative digital tools.

- **Digitalisation as an enabler:** The role of AI, future trends and opportunities in the field of digital solutions.
- The impact of digitalisation on **current challenges in terminal operations**.
- Understanding the **implementation challenges** that persist in the long-standing objective of fully digitalised terminal operations and reviewing successful case studies.
- **Evaluating your current level** of digitalisation and using results to shape new projects.
- Will digitalisation projects be **bottlenecked by a lack of data sharing** and collaboration?
- Mitigating the **cybersecurity risks** associated with digitalisation.

Stephan Piworus, *Vice President Europe, atai*

Felix Paul Czerny, *Founder & CEO, CONROO*

Graham Wilde, *Head of 5G Business Development, Three Group Solutions*

Henrik Hanke, *Digitalization & Automation, Duisburg Gateway Terminal*

Nasser Ben Othman, *Digitalization Manager, Terminals R&D Assets, CMA CGM*

12:45PM - 13:45PM

PANEL AND Q&A

BIG DATA & ANALYTICS: UTILISING DATA FOR IMPROVED PERFORMANCE, DECISION-MAKING AND THE ENABLING OF DISRUPTIVE TECHNOLOGIES

Moving on from our previous session discussing the challenges of digitalisation, here we will discuss the rewards that successful terminals will see when processing large quantities of data. Big data & analytics can allow terminals to **improve overall visibility** of their operation, **integrate technologies** such as AI, IoT & digital twin and generally allow for **faster data-backed decision making** and **real-time monitoring** of an operation.

- Discover how big data and analytics can be used to evaluate the terminal's daily operation, identify specific operational issues, and assess main KPIs to keep track of the terminal efficiency.
- How big data can be utilised to **enable new technologies** such as AI, IoT & Digital Twin.
- Can big data be used to predict how other parts of the supply chain are more likely to behave?

Francisco Blanquer, *Senior Manager Terminals R&D, CMA CGM*

Marco Fehmer, *Chief Executive Officer, DSP*

Héctor Iturria Sánchez, *Senior Software Engineer & Project Manager, Prodevelop*

Daniel Serrano, *Automation, Development & Processes Coordinator, TTI Algeciras*

Fernando Marti-Belda Rosello, *Ports & Terminals Project Manager, NextPort.AI*

Gerardo González, *Head of Works and Blue Economy Division, Port of Vigo*

13:45PM - 14:45PM

NETWORKING LUNCH BREAK

DAY TWO AT CONTAINER TERMINAL AUTOMATION CONFERENCE 2024

AFTERNOON SESSION

14:45PM - 15:30PM
PANEL AND Q&A

THE STATE OF ADOPTION: IMPLEMENTING STANDARDS WITH TIC 4.0

The Terminal Industry Committee 4.0 invites you to this panel session with focus on the current state of adoption of digital and operational standards within the port terminal industry and the way forward in the digital transformation roadmap of the sector.

This session aims to provide an overview of the current state of digital and operational standards adoption and how port operators can leverage benefits provided by implementing Industry 4.0 technologies in performance, safety, security, etc. We will explore key questions crucial to the industry's advancement:

- How digital standards can enhance operations performance in port terminals today?
- How can operational standards be harmonized across terminals to improve efficiency and effectiveness?
- What role do emerging 4.0 technologies play in the future of port terminal operations?

José Andrés Giménez Maldonado, *Director of Port Logistics, Fundación Valenciaport & Secretary General, TIC 4.0*

Norbert Klettner, *Vice President, TIC 4.0*

Daniel Serrano, *Automation, Development & Processes Coordinator*, TTI Algeciras
Jost Daemmgen, *Industry Segment Leader - Port Solutions*, TMEIC
Miguel Ruiz, *Head of Employee Relations*, APM Terminals Valencia
Sven Valentin, *General Director*, MSC Terminal Valencia

15:30PM - 15:35PM

CONFERENCE CLOSE

CONFERENCE CLOSING REMARKS

Benjamin Heather, *Head of Events*, Port Technology International

15:30PM - 18:00PM

BOAT TOUR OF VALENCIA PORT