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“Thank you for a worthwhile exhibition. We’ve already had our first booking.”
President, Crane Tech Solutions



29th & 30th April 2025

EVENT BROCHURE

THE ‘MUST-ATTEND’ EVENT FOR THE PORT, TERMINAL & CONTAINER INDUSTRY

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THE KEY 'MUST-ATTEND' EVENT FOR THE PORT, TERMINAL & CONTAINER INDUSTRY

Previous events have attracted over 200 participants from more than 95 global companies!

MCI Media are delighted to announce 'Port & Terminal Technology Conference & Exhibition USA 2025'. A "must-attend" key industry event, the conference offers a technical in-depth program delivered by an impressive line-up of market experts providing an invaluable learning opportunity and platform for discussion, debate and networking. The event is complemented by an intimate exhibition.

Who is the event for?

Representatives from engineering, maintenance and operations across the port and terminal industry examining a diverse range of topics from design to dredging, engineering to equipment and security to simulation.

What topics will the event cover?

Issues such as traffic flow, operations, maintenance, automation, quay design, visions of the future, port & terminal planning, efficiency in container handling, increasing capacity and productivity, fender systems, terminal lighting, environmental issues, dredging, simulation and much more...

Are there networking opportunities?

Yes! Ample lunch and refreshment breaks allow plenty of time for discussion. The conference is complemented by an exhibition - [open to delegates only](#). Previous events have also included port tours and drinks receptions.

Travel & Accommodation

All participants are responsible for the arrangement and payment of their own travel and accommodation. You will receive further information on accommodation upon registration.

Venue

The conference and exhibition will take place at:
InterContinental at Doral Miami
United States

You will receive further information on the venue upon registration.

Organisers

MCI Media Limited, Suite 11, Maple Court,
Grove Business Park, White Waltham, SL6 3LW, UK
Email: claire@mcimedia.com Tel: [44] 1628 820 046



Previous attendees include representatives such as:

- Business Development Manager, ABB Ports, USA
- Port Planner, AECOM, USA
- General Manager, Africa Port Services, Nigeria
- Director, Asset Mgt Maint & Eng, APM Terminals, USA
- Sr Ops & Facilities Mgr, Aravak Port Development, Bahamas
- Territory Manager, Belgard, USA
- Design Consultant, Belgard, USA
- Senior Project Manager, BergerABAM, USA
- Vice President, Bergmann Associates, USA
- VP, Director of Civil Works, Bergmann Associates, USA
- Ass Professor, Blekinge Institute of Technology, Sweden
- CEO, Bright Light Systems, USA
- Vice President - Sales, Bright Light Systems, USA
- Regional Sales Manager, Bromma Americas, USA
- Vice President, Bromma Americas, USA
- Vice President Sales & Marketing, Cavotec USA, USA
- Regional Sales Manager, Cavotec USA, USA
- Director, CB&I GBB, USA
- Senior Engineer, CB&I GBB, USA
- Program Director Waterfont, Collins Engineers, USA
- Manager, Columbus Street & Union Pier Terminal, USA
- Market Dev Mgr - Container, Conductix Wampfler, USA
- District Sales Manager, Conductix-Wampfler, USA
- Director Marketing & Innovation, Conductix-Wampfler, USA
- Director Logistics, CSX Intermodal Terminals, USA
- Director Equip Maintenance, CSX Intermodal Terminals, USA
- GM, South Region, CSX Intermodal Terminals, USA
- Terminal Manager, CSX Intermodal, USA
- Technical Director, CSX Transportation, USA
- Senior Technology Manager, CSX Transportation, USA
- President, ESL Power Systems, USA
- Director of Sales, ESL Power Systems, USA
- Terminal Officer, Ghana Ports & Harbours Authority, Africa
- Terminal Manager, Ghana Ports & Harbours Authority, Africa
- Chairman, Ghana Ports & Harbours Authority, Africa
- Board Member, Ghana Ports & Harbours Authority, Africa
- PR Manager, Ghana Ports & Harbours Authority, Africa
- Stevedore Manager, Ghana Ports & Harbours Authority, Africa
- Traffic Officer, Ghana Ports & Harbours Authority, Africa
- Terminal Staff, Ghana Ports & Harbours Authority, Africa
- Sales Director, GKN Land Systems, USA
- Director Sales & Marketing, Global Tech LED, USA
- General Manager, Global Rigging & Transport, USA
- Construction Manager, Global Rigging & Transport, USA
- Purchasing Manager, Global Rigging & Transport, USA
- Director Sales & Marketing, Hartmann & Koenig, Germany
- Director Business Development, Hayward Baker, USA
- Director, Hayward Baker, USA
- Area Manager, Hayward Baker, USA
- Director / Mkt Mgr, Hirschmann Automation & Control, USA
- VP, Sales & Marketing, J.R. Merritt Controls, USA
- Industry Sales Mgr - Ports & Intermodal, Hyster Co, USA
- Sales Manager, Hyster Company, USA
- VP Sales - Ports & Terminals, Identec Solutions, USA
- Senior Consultant - Logistics Systems, Inform, Germany
- CEO, ISL Applications, Germany
- Marketing Coordinator, JLT Mobile Computers, USA
- Vice President, JMT, USA
- Project Manager, JMT, USA
- District Sales Manager, J.R. Merritt Controls, USA
- VP, Sales & Marketing, J.R. Merritt Controls, USA
- Manager Crane Systems, Kalmar USA, USA
- Mgr Counter Balance, Ports & Terminals, Kalmar USA, USA
- VP, Americas - Automation Sales, Kalmar USA, USA
- Sales Mgr Automation & Project Sales, Kalmar USA, USA
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- Sales Engineer - Port Cranes, Konecranes, USA
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- Snr Project Mgr, North Carolina State Ports Authority, USA
- Manager, North Charleston Terminal, USA
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- Principal Engineering, Schabel Engineering, USA
- Account Executive - Transport Logistics, SICK, USA
- Cranes Business Dev Mgr, Siemens Industry Inc, USA
- Managing Director, Solid Port Solutions, UAE
- President & CEO, South Carolina Ports Authority, USA
- Dir Terminal Ops, South Carolina Ports Authority, USA
- Snr VP - Terminals & Ops, South Carolina Ports Authority, USA
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- Automated Crane Systems Specialist, TMEIC, USA
- Vice President, TranSystems, USA
- Business Area Director, Trimble, USA
- Project Manager, Trutegra, USA
- Market Manager Port Technology, Vahle, USA
- Business Dev Mgr, Vector Corrosion Technologies, USA
- Mgr, Wando Welch Terminal Container Operations, USA
- Lead Engineer, WSP / Parsons Brinckerhoff, USA
- VP Sales & Marketing, ZPMC Crane Services, USA...

register online at www.portandterminaltechnology.com

Conference Program

Tuesday, 29th April

08.30 – 09.00 Arrival & Registration

09.00 – 09.10 Chairperson Opening Remarks

Session 1 - Visions of the Future

Moderator: Peter van Schie, Event Director, MCI Media

It is no secret that the construction of new container terminals and the modernization of older (intermodal and inland) terminals around the world is essential to accommodate global shipping and ultimately, global economies. The key to operate an efficient and productive terminal lies in meticulous planning.

09.10 – 09.30 Alabama container terminal

Alabama Port Authority has started the construction of the 4th Phase of their container terminal which will double the capacity to 1 million TEUs. More recently, the Port Authority, in partnership with CSX, broke ground on the Montgomery Intermodal Container Transfer Facility (ICTF). This state-of-the-art facility will enhance freight mobility and stimulate economic growth throughout the region.

Eric Holbik, Vice President of Business Development, Alabama Port Authority, USA

09.30 – 09.50 A look at infrastructure in and around PortMiami

Port of Miami Terminal Operating Company (POMTOC) is PortMiami's only non-carrier owned terminal operator. The speaker will discuss infrastructure in and around the port from interstate/ highway access and local logistics practices to inter-port advantages and data infrastructure.

Gerard van den Heuvel, Chief Executive Officer, POMTOC, USA

09.50 – 10.10 What to look for and do when initiating a terminal project

From projects small to big, what are the key components for success? What are ideal factors or parts of the process? How is AI being used in our industry and how it will continue to be important? Or is it more of a buzz word? What limiting factors could hold off the use of AI? How can North American ports optimize performance amidst congestion issues and capacity constraints? And how can we do better with the space we have? The speaker will address these issues and provide a pathway of what to look for when initiating a terminal project.

Peter Knox, Vice President Business Development, North America, Camco Technologies, USA

10.10 – 10.30 Digital solutions in reducing carbon by going electric based on pilot studies

The speaker will present findings from a study to access missing knowledge on green transition and decarbonisation as well as digital solutions to reduce carbon by going electric.

Dr. Lawrence Henesey, Director Sales, Akquinet Port Consulting, Germany (invited)

10.30 – 11.00 Question & Answer Session

11.00 – 11.30 Refreshment Break



Session 2 – Optimization of using container cranes

Moderator: Nigel Nixon, Chairman, Nigel Nixon & Partners

Effective optimization of container terminal operations is crucial for maximizing efficiency, performance and profitability. The question is how to achieve a smooth, future-proof operation as container terminals are complex and require a high level of coordination and planning. More importantly how can we increase performance of container cranes, anticipate future TEU increases and what are the pitfalls?

11.30 – 11.50 Wind and crane design

It is common for crane manufacturers to provide estimated wheel loads but cranes and docks are designed to different standards which makes it important to know what standard were those estimates calculated to? Different design codes have different factors of safety. An experienced subject matter expert can facilitate clear understanding between design teams and ensure appropriate specifications are provided to each design team.

Richard Phillips, Senior Mechanical Engineer, Casper Phillips & Associates, USA

11.50 – 12.10 Using AI to predict import container dwell times - save driver time and prevent congestion

The speaker will look at the importance of reviewing results from an AI-like software project that predicts dwell times for individual import containers at a marine terminal, thus showing which import containers will leave the terminal in any future interval. These predictions allow intelligent grooming and import staging and the timing of release notifications to relieve congestion.

Joe Disenza, President & CEO, SmartCrane, USA

12.10 – 12.30 Design challenges for topside structures at marine terminal facilities

Ground displacements which may result from liquefaction-induced vertical settlements and horizontal lateral spreading, can be quite large and require attention by the designers to prevent operational losses and equipment failure. Therefore, attention needs to be given to structural design considerations for topside structures, emphasizing the balance between operational flexibility and seismic resilience. Real-world case studies will present the challenges encountered during the design and implementation phases, alongside the solutions employed to overcome them.

William Bruin, Senior Principal, Simpson Gumpertz & Heger, USA

12.30 – 13.00 Question & Answer Session

13.00 – 14.00 Lunch Break

A journal that reports ABOUT ports & terminals FOR ports & terminals.



World Port Development is an independent publication that strives to offer balanced and informed reporting, providing a complete overview for all concerned. We talk to manufacturers, operators, port staff and customers to present the whole picture.

**** New website and online journal coming soon! ****

DAY ONE - TUESDAY 29TH APRIL

Conference Program

Tuesday, 29th April



Session 3 - Technology and operations

Lawrence Henesey, Director Sales, Akquinet Consulting (invited)

In order to improve efficiency container terminal operators are moving and clearing containers faster than ever before.

As international trade continues to grow, and terminal operators anticipate increases in container throughput, the challenge of moving containers from seaside to gate and vice versa is greater than ever.

We need smarter, more agile, and data-driven ports.

14.00 – 14.20 Impact of cyber breaches on port operations

There is an increasing dependence when it comes to digital systems and technologies. As such, there is a greater need for insight into cyber security. Ports also benefit greatly from this because a cyber incident at a single company can have a major impact on other port activities. If cyber security is not a top priority or bullet-proof, as has been the case several times in recent years, this will have a worldwide impact on the supply chain.

Sean Jensen, Senior Security & Resiliency Specialist, HudsonAnalytix – Cyber, USA

14.20 – 14.40 Operational process mapping and simulation to drive efficiency and sustainability

Starting from the awareness that every terminal is unique, this paper will present how to structure a business process mapping and design project to be validated by simulation. Presentation of real use case will guide the audience through challenges, best practice and value chain.

Deane Stuart, Senior Director Sales - Americas, DSP Americas, USA

14.40 – 15.00 Application of dual mapping technology to swiftly and accurately build digital twin of port and infrastructure

The speaker will present the use of dual mapping technology for carrying out an integrated underwater and above water infrastructure condition assessment and creation of base data to swiftly develop an accurate digital twin of any given port or terminal. The data allows stakeholders to visualize current and historical assessments of all surveyed assets, providing a centralized tool for long-term decision-making, maintenance planning, and operational improvements.

Vijay Agrawal, Executive Vice President - Ports & Harbor, Bowman Consulting, USA

15.00 – 15.20 TIC4.0 - scaling up digital standardization to unlock the full potential of data in port terminal operations

TIC4.0 is the international non-profit association which gathers the efforts of the port terminal players (global port terminal operators, equipment manufacturers, digital solution developers) shaping the future of port operations through operational and digital standardization. In an era where efficiency and interoperability define competitiveness, TIC4.0 develops common semantics and data models that serve as the foundation for seamless communication between systems, equipment, and stakeholders. By eliminating fragmentation and enabling a unified digital language, these standards pave the way for the adoption of Industry 4.0 technologies across the cargo handling sector.

Boris Wenzel, President, TIC4.0, France

15.20 – 16.00 Question & Answer Session

16.00 – 18.00 Networking drinks reception for all attendees

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KONECRANES

Konecranes is a global leader in material handling solutions, serving a broad range of customers across multiple industries. We consistently set the industry benchmark, from everyday improvements to the breakthroughs at moments that matter most. Through the widest and deepest offering in container handling, business area Port Solutions delivers excellent technology in a fair way to improve the safety, sustainability and productivity of your operations. We bring our global knowledge to bear on your local needs, to maximize your operation's efficiency with the lowest possible life-time cost of ownership. That's why Konecranes is trusted every day to move what matters.



GearTec Inc. proudly services, repairs, and manufactures gearboxes for the world's shipping port cranes. GearTec supplies the most critical elements that keep crane gearboxes running. GearTec's quality, lead time, and pricing has been uniquely structured to best serve the shipping port industry. Regardless of crane gearbox manufacturer, the engineering staff at GearTec utilizes decades of experience and state of the art equipment to quickly diagnose and recommend repairs to the customer. In house gear manufacturing, reverse engineering, machining, and assembly capabilities, separates GearTec from its competition.



For over 36 years, J.R. Merritt Controls has continued to be a prominent influencer in the evolution of precision-engineered joysticks and operator chair systems. We help a wide range of customers experience the highest levels of machine operator productivity, comfort, and safety. In port operations, we understand downtime is not an option, and having crane controls perform consistently under all conditions is vital. The quality and field-proven reliability of J.R. Merritt's robust joysticks and operator chair systems sets the standard in port machinery.



Metagro offers craftsmanship in cabin construction; ergonomic work environments and innovation are the focal points, enabling our clients' employees to perform their tasks in a healthier, safer, and more efficient manner. We have everything in-house for design and production: a team of experienced engineers, a fully automated production process with modern robots, service & parts, and skilled employees who excel in their craft. Metagro operates worldwide in various markets such as offshore, dredging, bulk handling, industry, and OEM manufacturers. MerfordCabins became part of Metagro in June 2019 and has also been active for many years in bulk & mining industry, container terminals, OEM manufacturers, and marine & offshore sectors.

Conference Program

Wednesday, 30th April



09.00 – 09.00 Arrival

09.00 – 09.10 Chairperson Opening Remarks

Session 4 – Alternatives to going green

Moderator: Nigel Nixon, Chairman, Nigel Nixon & Partners

Terminal operators around the world are implementing cutting-edge equipment to achieve maximum operating efficiency, reduce congestion and their impact on the environment. Innovations in the electrification of equipment has seen an increase of electric vehicles in a port environment but as the car industry is looking at alternatives should the industry follow suit?

09.10 – 09.30 The zero emission terminal

An overview about available solutions, benefits and best practices globally when you aim to become a zero emission terminal and connect to connect to the green future.

Jaroslaw Warzecha, Director Business Unit Port, Vahle, Germany

09.30 – 09.50 E-RTGs re-thought: zero tailpipe emissions, full performance without peaks and even without grid

Find out how batteries revolutionize traditional electric-RTGs by minimizing your grid stability dependency, improving your operational reliability, and bringing significant savings on investment and operational costs.

Carl Walters, Sales Director, Konecranes, USA

09.50 – 10.10 Green waterborne container logistics within ports

Congested ports or ports with limited water depth or insufficient container handling capability can benefit of the unique Port Feeder Barge (PFB) capable of handling deep-sea vessels (Panamax and up). A 'green logistic innovation' for ports the barge is powered by electricity, LNG, methanol and batteries. The speaker will give an overview of the solution - an ideal spearhead for the introduction of alternative green fuels or batteries in the respective ports.

Dr Ulrich Malchow, Managing Director, Port Feeder Barge, Germany

10.10 – 11.00 Question & Answer Session

11.00 – 11.30 Refreshment Break

Session 5 – Efficiency and productivity

Moderator: Vijay Agrawal, Exec VP - Ports & Harbor, Bowman Consulting

The buzz words for container terminal operations often include efficiency, performance and productivity. There are different ways to achieve such goals including the correct use of existing equipment, introduction of new technology and minimizing downtime by taking steps in preventive maintenance.

11.30 – 11.50 Tales from the frontline – operating a fully autonomous container-truck fleet in one of the world's busiest ports

Venti's AI-powered driverless vehicles can save up to 70% in human capital operations costs, operate 24/7, and extend daily operating hours, all with 2cm positional accuracy for a robotic container truck. Drawing on our real-world experience with a fully operationalized fleet, this talk showcases key performance metrics and innovations that offer actionable strategies for driving cost-savings, efficiency, and sustainability, paving the way for the future of autonomous operations.

Heidi Wyle, Founder & CEO, Venti Technologies, USA

11.50 – 12.10 Key AI developments for the port industry

The speaker will share some of the key AI developments to help drive efficiency and digital acceleration in the port industry drawing from the company's experience of working with three large global port operators and as one of the few partners who leverages Microsoft AI to provide responsible AI for ports and the ports community.

Jai Chellamuthu, Chief Executive Officer, WhiteBlue Cloud Services, India

12.10 – 12.30 Efficiency unleashed: improving TOS operations with private wireless

Private wireless networks remove performance issues for mission-critical applications that are encountered over traditional Wi-Fi and enable the evolution to a cloud-based terminal operating system. Industrial-grade Nokia Private Wireless networks are the cornerstone of the digital transformation journey at ports.

Brayton Sparks, Private Wireless Sales Manager - Transportation & Logistics, Nokia, USA

12.30 – 13.00 Question & Answer Session

13.00 – 14.00 Lunch Break

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Port of Miami Terminal Operating Company, L.C., (POMTOC) is the Port of Miami's only non-carrier owned terminal operator serving the shipping community since 1994 by providing a broad mix of essential services to the global shipping industry.

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DAY TWO - WEDNESDAY 30TH APRIL

Conference Program

Wednesday, 30th April



Session 6 – Sustainability and environment

Moderator: Peter van Schie, Event Director, MCI Media

Forced by public opinion and growing demand for sustainable practices, port and container terminal operators in North American ports have looked for different ways to reduce their carbon footprint - from the waterside to the gate exit over the last decade. How does the industry - one of the major contributors to global carbon emissions - keep evolving for the better?

14.00 – 14.20 Integrating mobile shore power: design considerations for planning a successful project

This keynote will use examples of successful Mobile Shore Power implementations to identify key design points that should be considered in planning for both greenfield and brownfield projects. The presentation will provide an overview of terminal features that must be considered when designing a system and provide examples of solutions to challenges that have been implemented in the field.

Sean McCaskill, Shore Power Solutions Manager, Americas - Energy Chain Systems, igus, USA

14.20 – 14.40 How flexibility and lessons learned can optimize your shore power installation

PowerCon has revolutionized the shore power industry with its “building block” approach to designing and constructing modular and flexible shore power systems. Explore some of their main designs and discover important lessons learned that the company has seen from ports around the world.

Ralf Nielsen, Vice President & Business Development, Americas, PowerCon, USA

14.40 – 15.00 Net zero and sustainability at PortMiami

The speaker will take a look at sustainability at PortMiami as well as developments and initiatives to go net zero. More information to follow shortly.

Soufyane Meftah, Solution Architect, Wabtec Corporation, USA

Session 7 – IT and cyber security risks

Moderator: Peter van Schie, Event Director, MCI Media

Recently, the Biden Administration announced a \$20 billion package over 5 years to replace ubiquitous PRC-made container cranes in use at US ports with US-made substitutes in order to secure supply chains and mitigate cyber security risks. Unfortunately, in 2024 the port and terminal industry saw a huge rise in cyber security issues driven by AI/Deep Fakes and Quantum Computing having a major impact on operations and productivity.

15.00 – 15.20 The impact of AI, deepfake and quantum risk on the security of port operations

Data has become the intellectual property for organizations, their competitive differentiator, and critical to their success and livelihood. The new technologies are fundamentally used in analyzing, modeling and forecasting massive amounts of critical information quickly. These new technologies leverage an organization's most critical and sensitive information and must be kept safe and secure.

Lawrence Embil, Cybersecurity Manager, Miami Dade Government & Michael Hastings, Cyber Security Advisor, Cyber Security and Infrastructure Security Agency, USA

15.20 – 15.45 Question & Answer Session

15.45 – 16.00 Chairperson Closing Remarks & end of event

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DAY TWO - WEDNESDAY 30TH APRIL