



Port Equipment Manufacturers Association

Connecting Minds. Leading the Industry.



A Conversation with PEMA

TOC Europe 2025

Wednesday 18th June 2025

pema.org

PEMA - Port Equipment Manufacturers Association



PEMA is the global voice of the port equipment manufacturing industry

Port Equipment Manufacturers Association (PEMA) is a non-profit making international association with over 120 members globally.

Founded in 2004, PEMA's mission is to provide a forum & public voice for the global port equipment and technology sectors.

Members of PEMA are entities involved in the design, manufacture, supply & support of port equipment & technology including:

- Port & terminal equipment & services
- Components or attachments for port equipment
- Technology that controls or interfaces with port equipment
- Consultants in port & terminal equipment design, specification



The PEMA Work Programme



PEMA Members gain exclusive access to a library of resources & events annually.

PEMA fulfils its mission of:

- Fostering industry relations at formal & informal gatherings
- Research, collation & dissemination of industry information & statistics
- Contribution to industry standards, guidelines, best practice & training
- Monitoring & responding to key industry and regulatory issues
- Outreach & liaison with other industry bodies, associations & initiatives
- Media & public relations on behalf of our members

Annual Exclusive Resources & Activities:

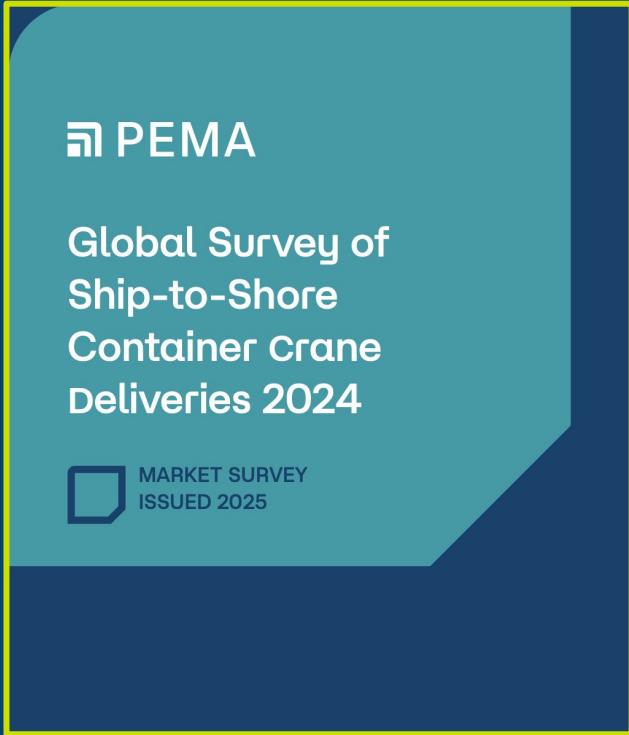
- Leading Industry Representation
- Publishing of Technical White Papers
- Member Conferences - AGM & Autumn Meeting
- The Ottonel Popesco Student Challenge Competition
- Port Equipment Market Surveys



The PEMA Work Programme

Information Papers & Best Practice Papers

PEMA IP29 Diesel and Alternative Power
PEMA IP28 Fire Detection and Suppression Systems for Mobile Port Equipment
PEMA IPO1 RFID in Ports and Terminals
PEMA IPO2 Energy and Environmental Efficiency in Ports and Terminals
PEMA IPO3 Container Terminal Yard Automation
PEMA IPO4 OCR in Ports and Terminals
PEMA IPO5 Weighing Containers in Ports and Terminals
PEMA IPO6 Electrification of RTG Cranes in Ports and Terminals
PEMA IPO7 Tyre Selection and Maintenance
PEMA IPO8 Laser Technology in Ports and Terminals
PEMA IPO8A Laser Technology in Ports and Terminals
PEMA IPO9 Practical Structural Examination in Ports and Terminals
PEMA IP12 Container Terminal Automation
PEMA IP11 Shore Connection Regulatory Developments and Best Practice Revised
PEMA IP13 Practical Observations for Rail Mounted Crane Interfaces
PEMA IP10 Lighting Technologies in Ports and Terminals
PEMA IP14 Crane Operator Health and Safety



 PEMA

34
Papers
Published

10
Papers In
Progress

3
New Industry
Surveys

PEMA engages with other Port Industry Trade Associations to discuss policy agendas

- Promote operational excellence and ensure the reliable, safe, and high-quality performance of all port activities.
- Advocate for a regulatory environment that ensures secure, resilient and environmentally sustainable port operations, fosters open markets, promotes fair competition, and aligns with internationally recognised standards.
- Advocate for the regulation of port operations at the international level.
- Uphold continuous development and promotion of industry-wide standards and best practice guidelines to optimise performance and regulatory compliance.
- Engage proactively with all stakeholders to realise shared objectives and advance mutual interests.
- Champion the reputation of port operations as safe, environmentally conscious, energy-efficient, comprehensively regulated, and essential hubs supporting global trade and economic stability.

The Ottonel Popesco Student Challenge



- The Student Challenge has been running for 10 years
- Open to teams of students from any university globally
- Teams submit a project based on the selected topic relevant to the industry
- Projects are reviewed by industry experts
- The winning team is awarded €2,000



PEMA Thank You

Visit www.pema.org for more information

For your attention

Q&A

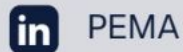
Please feel free to ask a question

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Globalization dynamics vary across finance, geopolitics and trade

Geopolitical tensions have shifted trade patterns - Direct trade between China and USA unravels, new trade hubs emerge



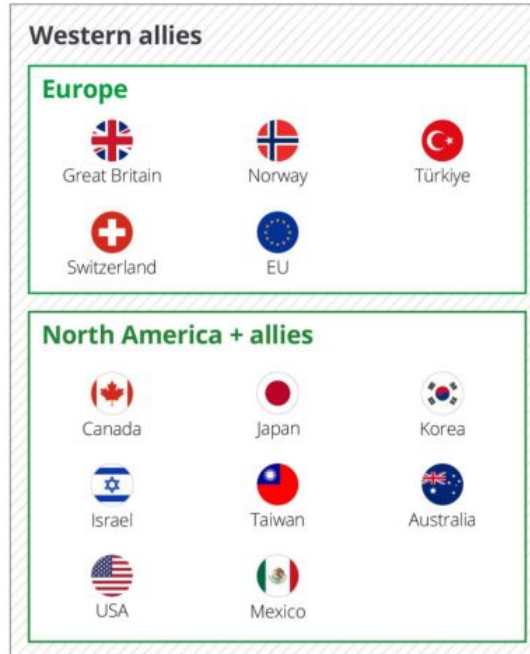
Source: Deloitte Insights (2024)

Deloitte 2025

Customs restrictions have existed for some time & are circumvented by “transit” deliveries.

Deloitte – Economic & Geopolitical Outlook

Country clusters (GDP >400 billion USD, 2024)



New “trade allies” are forming even before the election of Donald Trump.

Deloitte 2025

Top 15 EU+ Export Destinations (2035, GDP >400 billion USD)



EU potential - exports until 2035 - Japan top 1

Deloitte 2025