



# GreenPort LOGISTICS

ENERGY FOR GREEN PORTS

**2** CONFERENCES  
**CONFERENCE** **1** EXHIBITION  
**FIERA** **1** LOCATION  
**LOCATION**

**23-24 FEBRUARY 2011**  
**MARITTIMA • TERMINAL 103 • VENICE**

Hosted by:



**PORT OF VENICE**  
WHERE THE EARTH REVOLVES AROUND THE SEA

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## CONFERENCE PROGRAMME

Two important conferences are being held to help decision makers deal with sustainable environmental practice that will enable them to effectively implement the changes required

The emphasis of these events will be on examining practical, economically viable solutions as well as applications and case studies

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# Wednesday, 23rd February 2011

## JOINT SESSION

- 08:00 Registration and coffee
- 09:00 Conference Opens – Patrick Hicks – EWP Communications  
Session chaired by Patrick Verhoeven, ESPO  
Welcome To The Port Of Venice From Paolo Costa, President Venice Port Authority  
Italian Ministry for the Environment (tbc)  
Welcome From Luca Zaia, President Of The Veneto Region (tbc)  
Welcome From Giorgio Orsoni, Mayor Of Venice (tbc)  
The View From The Italian Ports – Italian Ports Association – Assoporti – Francesco Nerli – President  
The Supporting Role Of ESPO – ESPO Chairman Victor Schoenmakers  
Keynote Address from industry: The importance of Green Ports and logistics chain to our business. Victor Schoenmakers, ESPO and Port of Rotterdam and Roland Teixeira de Mattos, Country Executive, Benelux, General Electric

11:00 Coffee break



ENERGY FOR GREEN PORTS

- 11:30 **Session 2: Sustainable logistics as an end to end chain**  
Sustainable logistics requires an end to end approach and co-operation between it's links. What are the key influences and drivers?
- 11:35 **European Transport and Logistics policy drivers**  
*Pawel Stelmaszczyk, Head of Unit Logistics, Co-modality, Inland Waterways, Motorways of the Sea, Marco Polo*  
An update on key current and future policies helping shape sustainable transport and logistics across Europe
- 11:55 **Greening ports and logistics**  
*Professor Agostino Cappelli and Eng. Alessandra Libardo, University IUAV of Venice*
- 12:10 **Decarbonisation of the chain – delivering this through chain co-operation**  
*Stephen Carr, Head of Business Development, Peel Ports*  
This session will include the developing area of Port Centric Logistics and a case study from the Liverpool Produce Terminal addressing the challenges of supporting the food industry.
- 12:35 Discussion and questions
- 13:00 Lunch
- 14:15 **Session 3: Sustainable Logistics Chains in Action**  
Practical examples from prominent shippers and the organisations supporting their developing logistics operations. Introduction from Session Moderator:  
*Nicolette van der Jagt, Secretary General, European Shippers Council*
- 14:15 **What do Shippers want and need from the logistics chain and how is sustainable logistics practice developing?**  
*Rob Woolford, Heriot-Watt University*  
How are ports / port areas supporting this?  
What more should be done? Industry overview.
- 14:30 **IKEA's drive to reduce its transportation footprint through working with the chain**  
*Caroline Reid, Global Sustainability Developer, IKEA*  
An overview of IKEA's logistics challenges and how these are being supported by the chain.
- 11:30 **Session 2: The energy challenge for Green Ports**  
Whilst ports and port areas are striving to be Green, their operations are significant consumers of energy. Pressures for reducing energy use and emissions means this needs to be addressed.
- 11:35 **European policy, regulation and impacts**  
*Brian Gordon, Associate, Holman Fenwick Willan LLP.* An update on the direction of European and International policy on energy use and emissions management and its likely impact
- 11:50 **Reducing the impact and looking at opportunities**  
*World Ports Climate Initiative. Fer van der Laar, Managing Director, International Association of Ports and Harbors (IAPH).* How the Ports industry is tackling energy efficiency and seeking to reduce energy demand
- 12:05 **The Cruise Industry's response**  
*Valeria Mangiarotti, Board Member, MedCruise (TBC)*  
An overview of the policy impacts and practical responses from the Mediterranean Cruise Industry.
- 12:20 **What can the global power industry bring to the party**  
*Andrea Valcalda, Head of Innovation and Environment, ENEL*  
The view from ENEL on present and future developments to support energy reduction and alternative energy sources.
- 12:35 Discussion and questions
- 13:00 Lunch
- 14:15 **Session 3: Dealing with ship emissions at and near port**  
Emissions from ships coming into port and at berth are increasingly under scrutiny. Exerting influence may be difficult for the port. Onshore power supply (OPS) or cold ironing is one answer, but is not straightforward. Supplying a ships energy needs from shore will also increase the ports energy requirements. *Introduction from Session Moderator: Howard Holt, Seeports*
- 14:15 **Regulations and management of ship emissions and introduction to OPS**  
*Luca Imperiali, Application Engineer – Power Systems Division Italy, ABB.* An introduction to the challenges and opportunities of dealing with ship emissions.
- 14:25 **OPS solutions from alternative energy sources and the latest trend in cruise ships**  
*Emilio Tombolesi, Director, Maritime Policy & Compliance, Carnival Corporation and Piero Susino, Director Technical Services, Princess Cruises.* How are ports dealing with the challenges presented by sourcing power for OPS systems? How are Cruise Lines responding to opportunities offered by OPS. There are still many issues to be resolved and OPS investment cost is high. Is this the way forward?

- 14:50 An insight into Mars developing 'Green Journey' in Logistics Procurement**  
*Mark Schenkus, Logistics Services Buyer – Commercial, Mars Western Europe*
- 14:40 The view from OPS technology providers**  
*Igor Agostini, Department of development and manufacturing, ENEL.*
- 14:50 The future of LNG as an alternative**  
*Susann Dutt, Port of Gothenburg.* Alternative ship solutions to OPS include wind, solar and fuel cells. LNG is gaining momentum. What are the challenges and opportunities in introducing LNG? Introducing the Clean North Sea Shipping project; and LNG in the Port of Gothenburg by 2013.
- 15:05 Major indexes from a port perspective**  
*Sara Sköld, Clean Shipping Index.* A number of schemes have been developed to encourage cleaner shipping and reduced emissions. These include the Environmental Shipping Index, Green Award and Clean Shipping Index. How effective are these and how are they likely to develop?
- 15:05 Case Study from Shipping Line – Own initiatives and requirements placed on suppliers**  
*Soren R. Thomsen, General Manager – Terminal Strategy, Maersk Line'*
- 15:20 Nautical Port Information for an efficient & green global logistics chain**  
*Capt. Ben van Scherpenzeel, Director Nautical Developments, Policy and Plans - PoR, EHMC (European Harbour Masters' Committee)*
- 15:20 Discussion and questions**
- 15:25 Discussion and questions**  
*Panellists: Robert Ashdown, European Cruise Council; Alfons Guinier, ECSA; Jan Fransen, Green Award*
- 15:45 Coffee Break**
- 15:45 Coffee Break**

## JOINT SESSION

- 16:15 Session 4: Changing the Game** – Introduction from Session Moderator *David Whitehead OBE, British Ports Association*
- 16:20 EcoPorts entering a new era** – EcoPorts has had a fundamental role in shaping the development of environmental management and sustainability in ports. How will it continue to support the future? A review of EcoPorts achievements to date and the way forward. *Patrick Verhoeven and Antonis Michail, ESPO; Chris Wooldridge, EcoPorts Foundation and University of Cardiff; Herman Journee, EcoSLC.*
- 17:00 Innovation bringing together sustainable logistics and energy in ports**
- 17:00 Venice Port Authorities Offshore Terminal Development.**  
*Antonio Revedin, Venice Port Authority.* Eight km off shore and with 20 m natural draught, Venice's new offshore terminal will let the world's largest vessels berth. Containers will be taken by barges to the shore. Oil will be transferred through a pipeline, and tankers will be kept outside the Venetian lagoon.
- 17:20 The impact of developments in LNG fuelling on the sustainability of the chain**  
*Alfons Guinier, Secretary General, European Community Shipowners Association*
- 17:35 Clean Port concept supported by sail powered coastal vessels**  
*David Surplus, Director, B9 Shipping.* The environmental performance of ports and merchant ships is receiving higher levels of public scrutiny now that the transition to a low carbon economy is underway. Many straight forward applications of renewable energy and organic waste treatment methods can be assimilated from the electricity generation, road transport, and waste management sectors and this paper describes how some of these can be combined into a practical and holistic solution.
- 17:55 Discussion and questions**
- 18:15 Day close**
- 20:30 Conference Gala Dinner – Palazzo Vendramin Calergi.**  
Sponsored by: Venice Port Authority, the Venice Town Council and Venezia Terminal Passeggeri S.p.A

## Thursday, 24th February 2011

- 09:00 Session 5: De-carbonising the port, logistics chain and operations – Maritime & Landside**  
This is a key priority for ports, the logistics industry, its users and stakeholders. How is this developing between the different players? Introduction from Session Moderator: *Kate Royston, Robbee Smole*
- 09:05 Assessing opportunities across the whole chain** – *Sean Doherty – World Economic Forum.* Carbon management and monitoring is key. Understand where your carbon is and what it's costing. There are many sectoral initiatives looking at this. How are they progressing? Progress in carbon management systems and techniques – A review of the Carbon management approaches, tools, projects and initiatives across the different sectors. How are they helping identify areas for improvement? Developments in improving energy efficiency and process management will be highlighted. Tightening the chain and eliminating delays and waiting time can bring significant benefits particularly in emissions reductions and fuel consumption.
- 09:20 WPCI carbon footprinting methodology in action.** *Geert Schrooten, Technical Manager Energy & Climate, Port of Antwerp.* How the methodology is being applied in a project port and the improvements being delivered.
- 09:35 The Climeport approach** – *Raphael Company, Port of Valencia.* Mediterranean ports contribution to climate change mitigation explained. An overview of the project and its benefits to date.
- 09:50 Terminal Operators and carbon management.** *Charles Haine, Global Environmental Manager, DP World.* Carbon management has become essential for terminal operators. How is this helping to deliver improved practice at DP World?
- 10:05 Discussion and questions**

- 11:00 Session 6: Developing corridors and networks and supporting inter-modality**  
Effective and sustainable flows of freight require integrated corridors and networks. How is this area developing?  
*Introduction from Session Moderator. Isabelle Ryckbost, Director, EFIP – European Federation of Inland Ports*
- 11:05 Developing Green Corridors – the Swedish initiative, the SuperGreen project and the role of e-Freight**  
*Jerker Sjögren – Senior Advisor – Swedish Ministry of Transport.* Green Corridors are a European concept denoting long-distance freight transport corridors where advanced technology and co-modality are used to achieve energy efficiency and reduce environmental impact. Super Green is an initiative to evaluate a number of these corridors.
- 11:25 Linking ports and waterway systems with dry ports and rail shuttles.** *Arvid Guthed, Port of Gothenburg – Northern Europe; Angelo Aulicino, Interporto Bologna – Southern Europe.* Shippers are now looking for ports of entry where hinterland reach to market can be achieved more efficiently and effectively, minimising road freight where possible. Offering a ‘European wide’ inter-modal network of dry ports and rail shuttles linked to the ports and waterway systems may be the way forward.
- 11:50 Multi-port gateway developments**  
*Marina Monassi, North Adriatic Ports Association (NAPA); President of Port Authority of Trieste (tbc).* An overview of this developing concept from the North Adriatic gateway
- 12:05 Discussion and questions**
- 12:30 Lunch**
- 14:00 Session 7: Models and tools for co-operation, development and management.** Cooperation, collaboration and effective information flows are critical to sustainable logistics. How can these be facilitated? What’s being developed and how effectively are they working in practice?
- 14:05 Green supply chain management.** *Angie Farrag, Manager, Advisory Services, BSR (Business for Social Responsibility) tbc.* A number of schemes are in place and being developed including the Clean Ships Index and Green Tender. How widely are these being adopted? How effective are they? Do they fit together? How are different players with indicators managing to co-operate?
- 14:15 Designing a sustainable logistics chain – the view from Procter & Gamble** *Sergio Barbarino, Innovation Centre, Procter & Gamble.* A review of some of the supporting tools being used and in development. How effective are they, in practice, in bringing different stakeholders together?
- 14:35 Nautical Port Information for an efficient & green global logistics chain.** *Capt. Ben van Scherpenzeel, Director Nautical Developments, Policy and Plans – PoR, EHMC (European Harbour Masters’ Committee).*
- 14:45 Developing a management system and certification for the Sustainable Logistics Chain** *Herman Journee, EcoSLC and Paul Bokdam, Lloyds Register.* A review of progress to date and an opportunity for audience participation.
- 15:05 Discussion and questions**
- 15:30 Closing Session: Bringing it all together into action.** Reviewing the progress made during the conference, big issues remaining and how discussion can be continued. *Introduction from Session Moderator Howard Holt, Seeports.* Discussion with delegates and panel of session moderators. What concrete things are being taken away ... logistics ... energy ... and jointly. How can the momentum of debate, discussion and co-operation be maintained? What forums can be used for continued discussion? What can ESPO, EcoPorts and EcoSLC contribute?
- 16:20 Closing farewells from the Port of Venice**
- 16:30 Conference close**
- 11:00 Session 6: The Port as an Energy Generator.** Increasingly ports and port areas are developing alternative sources of renewable energy for their own use and/or to serve as a regional hub. This can be an effective way to reduce carbon and improve security of supply. We look at the alternative offshore and onshore renewable sources available.  
*Session Moderator: Howard Holt, Seeports*
- 11:05 Developments across Italian terminals.** *Luigi Robba, Assiterminal, Association of Italian terminal operators.* An overview of Assiterminal’s approach and plans for the future.
- 11:10 Case Study 1: Developments at the Port of Koper.**  
*Frank Nevijo, Responsible for HSE, Port of Koper*
- 11:20 Case Study 2: The port and region of Ostend – developments and opportunities.** *Wim Stubbe, Business development manager, AGHO Port of Ostend*
- 11:35 Case Study 3: An overview of current and future opportunities for Adriatic ports.**  
*dr Gabriella Chiellino, eAmbiente (tbc).*
- 11:50 Case Study 4: The application of innovative energy sources.** Developing an algae driven system at the Port of Venice. *Mr Willer Bordon, President, Enalg.* The lagoon of Venice is supporting a staged development project with the potential to generate 20MW electricity in the future.
- 12:05 Discussion and questions**
- 12:30 Lunch**
- 14:00 Session 7: Emerging and Next Generation technologies and applications.** What might be expected in the future? How are new technologies developing to deliver next generation buildings, plant and energy sources?  
*Introduction from Session Moderator – Ottonel Popesco, President PEMA (Port Equipment Manufacturers Association and President & CEO Cavotec MSL Holdings Ltd*
- 14:05 Emerging and next generation technologies likely to be more widely adopted in the future.** *Richard Marks, Business Development Director - Maritime, Royal Haskoning.*
- 14:20 Developing environmentally friendly next generation cruise & passenger terminal buildings.** *Guy Barlow, Architect and Director, The Manser Practice.* Showcasing a recently designed terminal building encompassing the latest technologies
- 14:35 Innovative developments and applications at HHLA** *Jan Hendrik Pietsch, Corporate Sustainability Manager, Hamburger Hafen und Logistik AG.* Showcasing new port terminal developments highlighting new technologies and practices being incorporated.
- 14:50 Greening of the Port of Venice**  
*Emanuele Zanotto, Venice Port Authority*
- 15:05 Discussion and questions**



# Conference Gala Dinner

23 February 2011, Palazzo Vendramin Calergi

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All participants at the Conference will be invited to attend the Conference Gala Dinner, to be held at the Palazzo Vendramin Calergi, the site of the Venice Casino. Delegates will be able to continue conversations started during the first day of the conference and, whilst networking, they can enjoy the fantastic surroundings of one of Venice's most famous locations. Full details will be given to registered participants only.



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