The Port of Valencia Perspective

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Deputy Strategic Planning Director, Port Authority of Valencia
Agenda

- Valenciaport: who we are
- Sustainability challenges of ports: the experience
- Valenciaport and the 2030 Agenda For Sustainable Development
- Valenciaport and the Blue Economy
  - Transport cluster promotion
  - Sustainability promotion in Maritime Transport
  - Cruise & recreational boating activities development
- Conclusions
The Port Authority of Valencia
Our three port at a glance 2015

**Sagunto:**
- 6,34 Mio. Tons
- 33,686 TEU
- 183,077 Vehicles

**Valencia:**
- 62,87 Mio. Tons
- 4,58 Mio. TEU
- 744,922 Passengers
- 373,548 Regular Lines Passengers
- 371,374 Cruise Passengers
- 506,349 Vehicles

**Gandia:**
- 0,382 Mio. Tons
- 1,594 TEU

**Valenciaport:**
- 69,6 Mio Tons; 4,61 Mio TEU
Growing path

Container our main traffic 75%

Gate/transhipment port (Mixed hub concept)

Liquid Bulk  Solid Bulk  Containerized General Cargo  Non Containerized General Cargo

Loading  Discharging  Transhipment
# Growing path

Top 15 container ports in Europe

Total container throughput in 1000 TEU

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<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>Rotterdam</td>
<td>12 234</td>
<td>-0.5%</td>
<td>13.4%</td>
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<tr>
<td>2</td>
<td>3</td>
<td>3</td>
<td>Antwerp</td>
<td>9 653</td>
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<tr>
<td>3</td>
<td>2</td>
<td>2</td>
<td>Hamburg</td>
<td>8 820</td>
<td>-9.3%</td>
<td>-10.8%</td>
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<tr>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Bremerhaven</td>
<td>5 546</td>
<td>-4.3%</td>
<td>13.4%</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>8</td>
<td>Valencia</td>
<td>4 615</td>
<td>3.9%</td>
<td>51.7%</td>
</tr>
<tr>
<td>6</td>
<td>5</td>
<td>6</td>
<td>Algeciras</td>
<td>4 511</td>
<td>-1.0%</td>
<td>31.9%</td>
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<tr>
<td>7</td>
<td>7</td>
<td>7</td>
<td>Felixstowe (*)</td>
<td>3 984</td>
<td>-2.2%</td>
<td>19.2%</td>
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<tr>
<td>8</td>
<td>8</td>
<td>(***</td>
<td>Piraeus</td>
<td>3 287</td>
<td>-8.3%</td>
<td>139.4%</td>
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<tr>
<td>9</td>
<td>10</td>
<td>12</td>
<td>Marsaxlokk (**)</td>
<td>3 100</td>
<td>8.1%</td>
<td>63.2%</td>
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<tr>
<td>10</td>
<td>11</td>
<td>9</td>
<td>Le Havre</td>
<td>2 560</td>
<td>0.2%</td>
<td>-3.0%</td>
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<tr>
<td>11</td>
<td>9</td>
<td>5</td>
<td>Gioia Tauro</td>
<td>2 550</td>
<td>-14.1%</td>
<td>-26.0%</td>
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<tr>
<td>12</td>
<td>12</td>
<td>14</td>
<td>Genoa</td>
<td>2 243</td>
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<td>20.9%</td>
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<tr>
<td>13</td>
<td>14</td>
<td>13</td>
<td>Southampton (*)</td>
<td>2 108</td>
<td>11.2%</td>
<td>12.8%</td>
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<tr>
<td>14</td>
<td>15</td>
<td>10</td>
<td>Barcelona</td>
<td>1 953</td>
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<td>-25.2%</td>
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<tr>
<td>15</td>
<td>13</td>
<td>11</td>
<td>Zeebrugge</td>
<td>1 559</td>
<td>-23.8%</td>
<td>-22.9%</td>
</tr>
</tbody>
</table>

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TOP 15  
68 723  
-1.6%  
12.1%  

TOP 3  
30 707  
-1.0%  
6.4%  

(*) Estimate based on growth first 9 months; (**) Estimate  
(*** Not in top 15 in 2007. Constantinza ranked no. 15 in 2007 (1.41 mio TEU)
The Port of Valencia: a key factor for competitiveness

- 1st Container Port in Spain & the Mediterranean
- 5th Container Port in Europe

- 40% of the containers that serve the Spanish foreign trade pass through the Port of Valencia

- Carbon Footprint 2014: 2.58 KgCO2eq /Tm (-8.51% vs. 2012)

- Helping companies to trade abroad and be more competitive

- Ensuring connectivity to the world's markets
  100 regular lines and 1.000 ports served

Firm commitment to serve general public interest, economy, & society
Valenciaport 2020: focused Strategy

- Market - oriented
- Services efficiency
- Logistic & intermodal integration
- Economic, social & environmental sustainability
Agenda 2030 for Port activities

People, Planet & Prosperity

Sustainable transport systems and quality and resilient infrastructure

Reduction of global greenhouse emissions

Conservation and sustainable use of oceans and seas
Agenda 2030 for Port activities

People, Planet & Prosperity

- SDGs directly affected:
  - Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
  - Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
  - Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable
  - Goal 12. Ensure sustainable consumption and production patterns
  - Goal 13. Take urgent action to combat climate change and its impacts
  - Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development
Valenciaport and Agenda 2030

Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

Valenciaport initiatives:

- Promotion of safe and secure working environment: OSHAS certification. Coordination of activities in Port Area
- Promotion of entrepreneurship: participation in the Valencia Local Pact for Innovation and Entrepreneurship
- Tourism promotion: Cruise industry and leisure marine activities support
- Trade support for developing countries: participation in UNCTAD’s Train For Trade Program
Valenciaport and Agenda 2030

Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Valenciaport initiatives:

- **New expansion** under development, climate change resilient. CLIMEPORT Project.

- Improving **intermodal rail connections** of the port. Objective: increase railway connections by **24% in 2020**. CONNECT Valencia Project.
Valenciaport and Agenda 2030

Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Valenciaport initiatives (cont.):

- Increased **energy efficiency** in PAV activities and within the port community and the hinterland.
  - **E4PORT** Project: Promotion of *Energy Management Systems* within the Port Community
  - **ECOLOGISTYPORT**: Promotion of *training and awareness* for energy efficiency
  - **SEATERMINALS**: Smart Energy Efficient And Adaptive Port Terminals
  - **CO-EFFICIENT**: Helping *SME’s Logistics* to become Energy Efficient
Valenciaport and Agenda 2030

Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Valenciaport initiatives (cont.):

- More than **200 R+D+i Projects** within 10 years
- R+D+i Projects volumen in **2015**: > **3 M €**
  - **B2MoS** – Motorways of the Sea Development
  - **GreenBerth** – LNG Deployment as an optional bunkering
  - **Monalisa** – Security in the transport chain
  - **CAPACITY4RAIL** – Rail Accessibility to Terminals
  - **SMILE** – Smart City / Smart Port Integration
Valenciaport and Agenda 2030

Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable

Valenciaport initiatives:

- Port City relationship: Old Commercial Port Area transferred to the city for leisure, academic and public use
- Protection of historical port buildings and subaquatic archeology
- Promotion of port and port related activities among young people
Historical - Industrial Heritage Preservation
Valenciaport and Agenda 2030

Goal 12. Ensure sustainable consumption and production patterns

Valenciaport initiatives:

- Waste reduction plans. PAV developed the 1st Port Transfer Point in 2000.
- MARPOL Services improvement.
- Sustainability Reporting since 2001
- Green Procurement practices.
- Awareness campaigning and support through the Port Community.
Valenciaport and Agenda 2030

Goal 13. Take urgent action to combat climate change and its impacts

Valenciaport initiatives:

- Carbon footprint measurement since 2010.
- Member of the WPCI initiative
- Innovation projects:
  - New energy sources in the port (wind, photovoltaic)
  - Optional bunkering for vessels (LNG)
  - Cold Ironing for vessels
Valenciaport and Agenda 2030

Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Valenciaport and the Blue Economy

- Fostering economic growth
- Promoting sustainability of port & shipping activities
- Supporting cruise tourism & recreational boating activities
- Supporting fishing & aquaculture
Valenciaport and the Blue Economy

- Fostering economic growth: Valenciaport hosts a vibrant Community generating:

<table>
<thead>
<tr>
<th>Valenciaport Economic Impact</th>
<th>Direct</th>
<th>Indirect</th>
<th>Related</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Salaries (x €000)</td>
<td>507.763</td>
<td>113.616</td>
<td>61.545</td>
<td>682.924</td>
</tr>
<tr>
<td>Gross Surplus (x €000)</td>
<td>501.080</td>
<td>159.802</td>
<td>81.333</td>
<td>742.215</td>
</tr>
<tr>
<td>Tax Income (x €000)</td>
<td>23.381</td>
<td>9.065</td>
<td>4.515</td>
<td>36.961</td>
</tr>
<tr>
<td>GVA abp (x €000)</td>
<td>631.121</td>
<td>171.949</td>
<td>91.010</td>
<td>894.080</td>
</tr>
<tr>
<td>Total production (x €000)</td>
<td>1,260.241</td>
<td>290.613</td>
<td>189.441</td>
<td>1,740.296</td>
</tr>
<tr>
<td>Jobs</td>
<td>11.020</td>
<td>1.950</td>
<td>6.830</td>
<td>19.800</td>
</tr>
</tbody>
</table>
Valenciaport and the Blue Economy

- Valenciaport contribute to the development of the Port & Shipping regional cluster through:
  - **Integrated Quality Seal** – Marca de Garantía. A way to contribute to common competitiveness
  - **State of the art Port Community System** – Valenciaportpcs.net
  - **Environment Protection** common network: ECOPORT
  - Valenciaport Foundation
Valenciaport and the Blue Economy

Sustainable development in port environment:

“that allowing traffic growth, decreasing energy and natural resources consumption, the volume of waste and the effects on their areas of influence or improving resources management and protecting the natural, economic and social systems that could be affected by the port” – Working Group “Sustainability in sea ports” CONAMA 2004

Double rol: Port & Shipping related activities
Valenciaport and the Blue Economy
Valenciaport: the path towards Sustainability

General Interest
Stakeholders
Environmental concern
Legislation
Value

Strategy Deployment
Business objectives
Clients
Port Tenants

The Strategy

The Policy

The Feed-back

Sustainability
Reporting
Awareness
Certification
CO2 Footprint

The Tools

Environmental Aspects
Technology
Best Practices
EMS
Valenciaport and the Blue Economy

• Promoting sustainability of port & shipping activities
  o Valenciaport gives technological support and financial incentives – 5 to 20% bonus on some port dues – to ships and port operators that apply EMS aligned to environmental port policy and objectives
  o Valenciaport collaborates with the Port Community promoting sustainability

<table>
<thead>
<tr>
<th>Year</th>
<th>Project</th>
<th>Subject</th>
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<tbody>
<tr>
<td>1998</td>
<td>ECOPORT</td>
<td>Valencia Port EMS program conception</td>
</tr>
<tr>
<td>1998</td>
<td>ECOPORT</td>
<td>Port Environment Indicators System</td>
</tr>
<tr>
<td>2002</td>
<td>ECOPORT</td>
<td>Acoustic &amp; Air Pollution Control System</td>
</tr>
<tr>
<td>2004</td>
<td>ECOPORT</td>
<td>EMS implementation Guide for EU Port Communities</td>
</tr>
<tr>
<td>2005</td>
<td>ECOPORT</td>
<td>Risk Management System for Dangerous Goods Transport in Med area</td>
</tr>
</tbody>
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<thead>
<tr>
<th>Year</th>
<th>Project</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>NoMEPORTS</td>
<td>Noise monitoring, mapping &amp; reduction action plan</td>
</tr>
<tr>
<td>2005</td>
<td>SIMPYC</td>
<td>Port-City Environment Integration System</td>
</tr>
<tr>
<td>2009</td>
<td>ECO-LOGISTYPOR</td>
<td>SME’s Training on EMS implementation &amp; Energy management</td>
</tr>
<tr>
<td>2009</td>
<td>EFICont</td>
<td>Energy efficiency at Container Terminals</td>
</tr>
<tr>
<td>2010</td>
<td>E4PORT</td>
<td>Energy Management System implementation at EU port facilities</td>
</tr>
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</table>
Valenciaport and the Blue Economy

- Supporting cruise tourism:
  - Cruise traffic defined as strategic
  - Action Plan agreed with the Valencian Regional Government and the Municipality
Valenciaport and the Blue Economy

• Supporting cruise tourism (cont.):
  ○ New Cruise Piers in the Port Expansion
  ○ New Cruise Terminal to be developed 2017-2018
Valenciaport and the Blue Economy

- Recreational Boating activities:
  - Three marinas in the ports of Valencia and Gandía: more than 2,800 mooring points
  - One more planned in Sagunto Port Expansion
Valenciaport and the Blue Economy

• Recreational Boating activities (cont.):
  ○ Connected activities:
    ✷ Nautical Schools
    ✷ Shipyards
    ✷ Ship suppliers
Valenciaport and the Blue Economy

- Fishing and aquaculture:
  - Traditional fishing in the three ports
Valenciaport and the Blue Economy

- Fishing and aquaculture:
  - Aquaculture farms in Sagunto and Valencia
  - Mussels and Oyster farming in Sagunto and Valencia
Conclusions

- As a major player in the regional economy, the Port Authority of Valencia coordinates the regional cluster, fostering its competitiveness, making Valenciaport a leader port in terms of traffic and throughput in West Med.

- The Strategic Agenda of Valenciaport is fully aligned with the Sustainable Development Goals of Agenda 2030 in its field of activity.

- Valenciaport is committed with the social, economic and environmental sustainability of its activities, contributing to the regional Blue Economy growth.
The Port of Valencia: Key Factor of Territorial Competitiveness

Contributes to the internationalization and competitiveness of Spanish companies

Ensures connectivity between Markets: Gate/transhipment port (Mixed hub concept)
Powerful hinterland – cargo concentration (import and export)
Development of Logistics Platforms and Technology
Unique connectivity in Spain (100 regular lines and 1,000 ports served around the world).

Sustainable Growth
Economic, key to the development of trade actors.
Social, considering the importance of the port relations with their environment.
Environmental.

Managing public founds with private economy criteria
Market Knowledge: tendencies and trends
Strategic approach: Assuming the Leadership
Adaptation and Anticipation of Change