



LIVORNO
Port Authority



12th TRANS Middle East
JEDDAH 2016



Europa

LIVORNO

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US Dept of State Geographer
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42°11'59.34" N 18°29'32.27" E -18 m elev

3668.68 km Alt

THE PORT AT A GLANCE

LAND SURFACE: 1,600,000 sqm

WATER SURFACE: 2,500,000 SQM

QUAYS OVERALL LENGTH: 12 KM

NUMBER OF BERTHS: 90 (20 RO-RO)

FERRIES TERMINAL

CRUISE TERMINAL

WATER DEPTH: UP TO 12.50 MT

RAIL NETWORK: 62 KM

Livorno



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Pointer 43°33'43.14" N 10°18'24.91" E elev 10 ft

Streaming ||||| 100%

Eye alt 15587 ft



Livorno a Mediterranean multipurpose port

1. **The Passenger Port:** ferry and cruise terminals (100,000 m²), 3 million of passengers, ship repair and ship building
2. **The Commercial Multipurpose Port:** water surface 2.5 million m² land surface (850,000 m² customs boundary) 90 berths and 13 km of quays, 3 railways & 60 km of tracks, freight traffic fully separate from the urban one
3. **The Industrial Area:** refinery, oil stock areas, energy power stations, chemical and automotive component industry
4. **The Freight Village “A. Vespucci”:** 2.8 million m² , cargo consolidation with multimodal access, distribution centres, packing firms, customs clearance and scanning area, rail station, etc.
5. **The Dry port “Il Faldo”:** car stocking and distribution area fully automatized , 640,000 m², capacity 25,000 cars, road and rail links

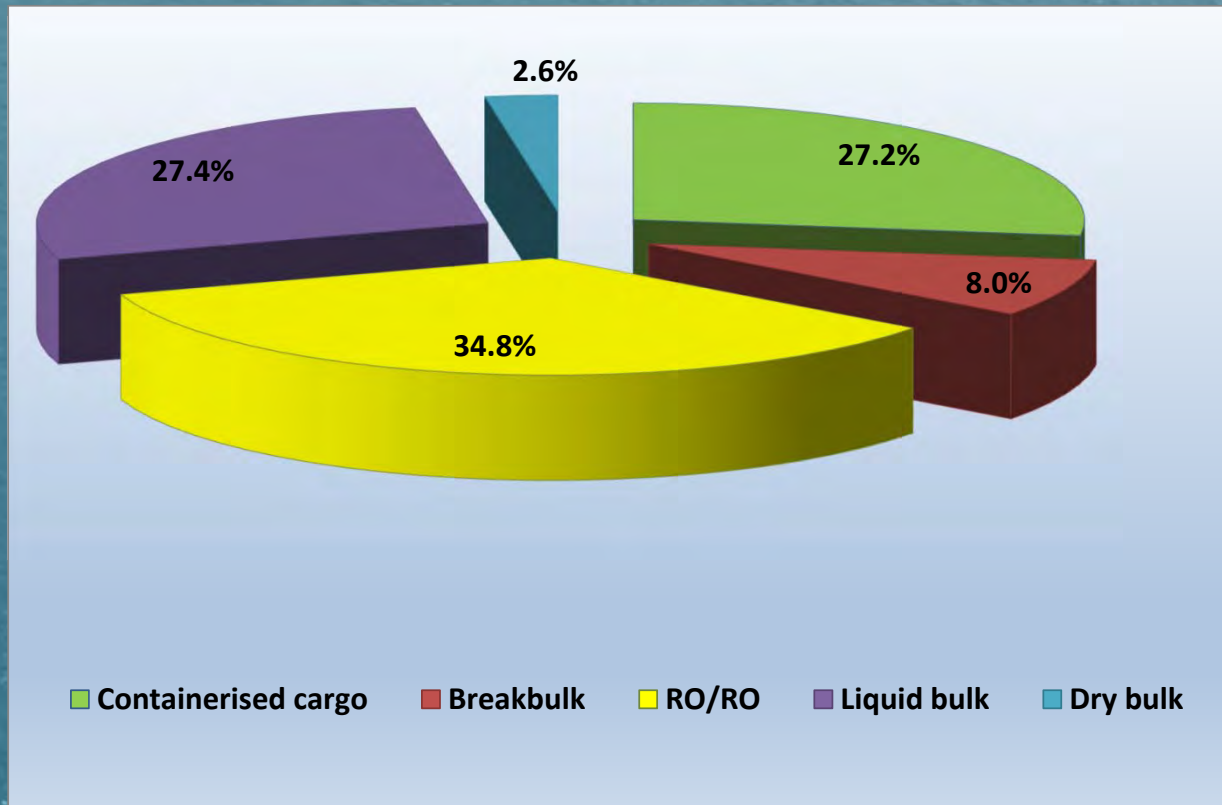


PORT OF LIVORNO – TOTAL THROUGHPUT

PORT OF LIVORNO	2014	2015	Var. %
Total troughput (tons)	28.335.156	32.712.473	15,4%
Ships	6.479	6.800	5,0%
TEUs	577.470	780.874	35,2%
RO/RO (trucks,trailers)	329.386	341.297	3,6%
Ferries pax	1.878.057	1.962.799	4,5%
Cruise pax	626.356	697.955	11,4%
New cars	388.031	475.018	22,4%



TRADES SPLITTING





Scandinavia-
Mediterranean
Corridor
Helsinki – La Valletta

Italian segment





HINTERLAND AND INTERMODAL LINKS



**FREIGHT VILLAGE
A. VESPUCCI**



AUTO PARK – Faldo Lavandone





FREIGHT VILLAGE A. VESPUCCI

Area	2.800.000 mq
Warehouses	324.500mq
Yards	696.000 mq
Rail Terminal	126.000 mq
Offices	142.000 mq
Roads	15.000 mt





Faldo Lavandone Auto-Park

Total area: 640.000 mq

Storage capacity: 25.000 vehicles

Daily throughput: 3.000 vehicles

Daily distribution: 1.500 vehicles





Fast corridors

Physical and documentary check of the goods

Containers are transferred from the port to the logistical node (temporary storage) through secure corridors



Road corridor

- Paper formalities replaced by physical monitoring and exchange of added value information between the various actors of the logistic chain
- Synchronization of the supply chain for the new requirements of production
- Less customs procedures
- Time and costs reduction



Rail corridor



Fast corridors

LIVORNO

3 ROAD CORRIDORS
2 PORT – INTERMODAL CENTER

From October 2015

197 CONTAINERS

1 PORT – PRATO I.C.





Simplification of Rail Transit Procedures



Main goals:

To simplify transit procedures adopting specific solutions for the rail transport

To stimulate the multimodal transport through coordination of flows of information among different systems in order to improve port and rail activities





CREATION OF INTERMODAL CORRIDORS

MARITIME SIDE



LPA telematic platform

- Communication between businesses operators and the Supervising Authorities;
- Information exchange within Port Community;
- Protection of confidential information
- Synchronization of procedures (I/E) - Customs
- Traceability (RFID – Electronic seals)

RAIL SIDE

PIATTAFORMA INTEGRATA
LOGISTICA

Integrated Logistical platform to support National Rail Company in developing logistical and intermodal Systems

- Maritime/Rail interoperability in I/E processes
- Port rail operations management
- Rail/Road and Rail/Sea integration
- Rail Customs Corridors (on train customs clearance = NO T1 CIM)

SPEEDING UP THE PROCESS : TPCS – PIL RAIL SYSTEM



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Operations	Current situation (paper,mail,phone)	New system tpcs&rail (electronic message)	Var %
Average time Data manual processing MTO-Container Terminal for train composition	15 min	5 sec	- 99.4
Average percentage Errors in manual data input	7%	1%	- 86
Estimated time To verify errors occurred in data processing for train composition	10 min	5 sec	- 99.2
Average time Manual data processing Container Terminal-MTO Matching wagons/containers	10 min	5 sec	- 99.2
Average percentage Errors in manual data processing Matching wagons/containers	7%	1%	- 86
Estimated time To verify errors in matching wagons/containers	7 min	5 sec	- 98



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Operations	Current situation (paper,mail,phone)	New system tpcs&rail (electronic message)	Var %
Average time Manual data processing MTO-Container Terminal to organise rail transport	20 min	5 sec	- 99.6
Average percentage Errors occurred in manual data processing to organise rail transport	7%	1%	- 86
Estimated time To verify errors in data processing to organise rail transport			







EUROPE PLATFORM

QUAYS: 1,450 mt

DEPTH: -16 mt (up to -20)

TERMINAL SURFACE: 67 ha

TOTAL SURFACE: 105 ha

**ELECTRIFIED RAILROAD LINE
(750 mt block train - direct
link with national rail
network)**

NEW ROAD ACCESS



Livorno Port Authority

THANK YOU FOR YOUR ATTENTION



WWW.PORTO.LIVORNO.IT