



LIVORNO PORT AUTHORITY



5TH BLACK SEA PORTS & SHIPPING
2016

Constanta
26-27 May 2016





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%



HINTERLAND AND INTERMODAL LINKS



FREIGHT VILLAGE
A. VESPUCCI

AUTO PARK – Faldo Lavandone



WEAK POINT

LOW RATE OF INTERMODALITY



Scandinavia-
Mediterranean
Corridor
Helsinki – La Valletta

Italian segment





TANGIBLE ASSETS





Rail traffic (train/year) 2014

IMPORT	792
EXPORT	896
TOTAL	1688
SHARE	11%

- **More effective link with the Core Network ScanMed Corridor**

Rail traffic: expected development

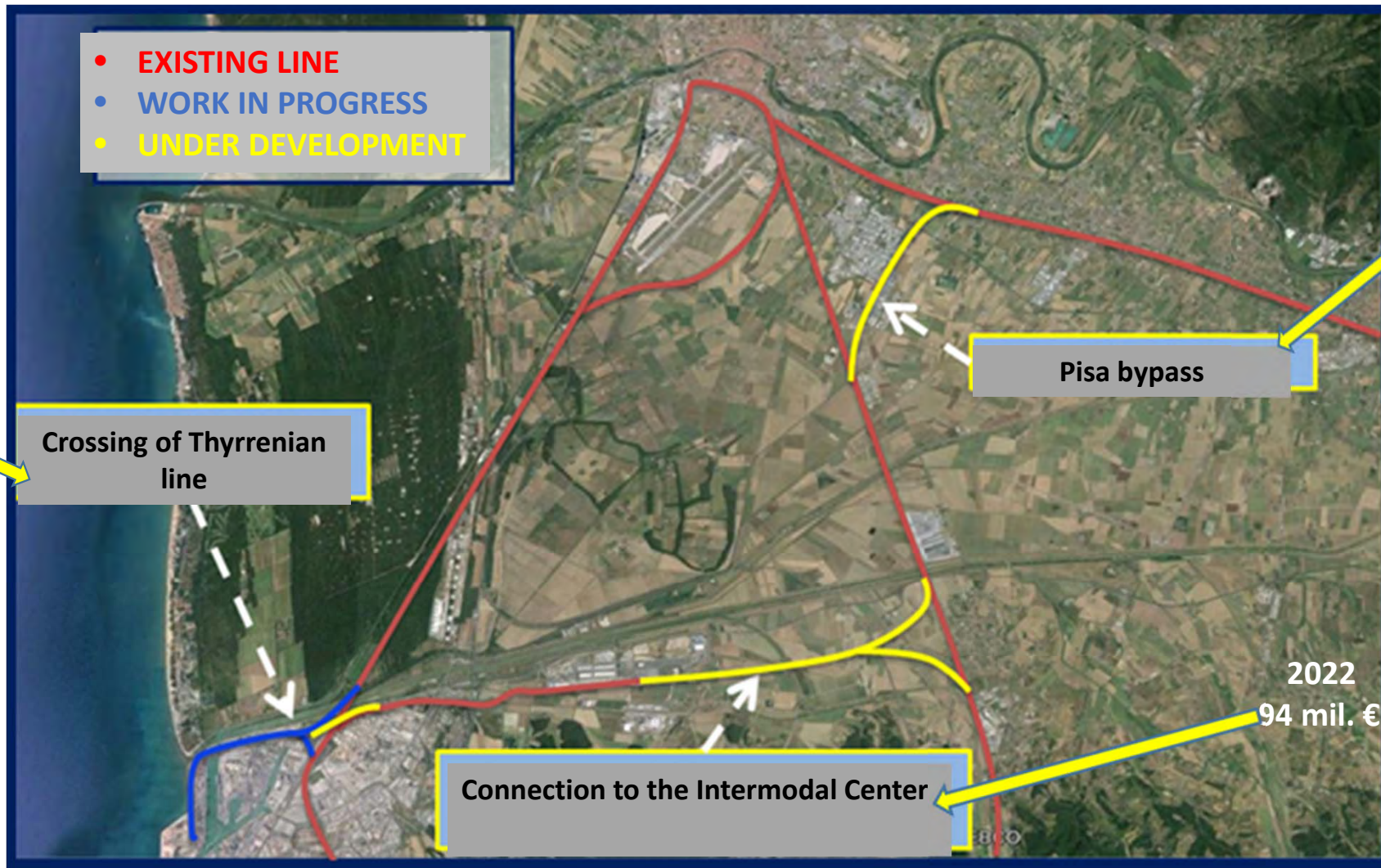
Year	Trains/year	Modal share (%)	Rail volumes: growth average rate
2016 (first year)	1898	18,1	2,5%
2020	2139	20	
2025	2478	22,4	

- **Wagons directly forwarded from container terminal to the hinterland (Central-East Europe)**

From 135,000 trains/km to 200,000 trains/km



TANGIBLE ASSETS





INTANGIBLE ASSETS

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



INTANGIBLE ASSETS

Fast corridors

LIVORNO

3 ROAD CORRIDORS
2 PORT – INTERMODAL CENTER

From October 2015

197 CONTAINERS

1 PORT – PRATO I.C.







INTANGIBLE ASSETS

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

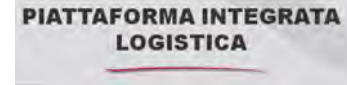
MARITIME SIDE



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



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



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