

STRATEGIC INTERCHANGE
BETWEEN SEA AND RAIL FREIGHT:
WHAT'S NEW?

TRIESTE, 2-3 APRIL 2014

- DBA Lab
- Integration between PCS&TOS solutions



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ICT at support of the Supply Chain

- The **efficiency of the supply chain** is definitely a strategic factors for any Country in the World
- **Competitiveness** of trade & commerce is played on efficiency of the supply chain
- **A major contribution** to the achievement of efficiency in the supply chain management is certainly represented by the use of **new ICT technologies**
- Only through ICT technologies it is possible:
 - to **manage complex databases** and the **huge volumes of information** regarding logistic processes
 - to **automate procedures** through the exchange of information between all the actors of the logistic chain
- This applies in particular to the maritime sector, as demonstrated by the experiences of the major European ports where software collaboration platforms, so-called PCS Port Community Systems were adopted and the deriving benefits are strongly appreciated.





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DBA Lab initiatives in the logistic sector

Two important issues to address:

- **Full traceability**
- **Efficiency and performance**

But those can be tackled only through:

- **Information sharing** and exchange automation
- **Systems integration**

DBA LAB has clearly focused on this needs and invested in the design and **development of innovative IT technology platforms** that:

- enable **structured and shared management** of the huge amount of **information** that concern the supply chain
- are neutral, open and equipped with all the **enabling technologies** for the development of **integration interfaces**

These products and applications are collected under the brand "LISy" («**LISy**» Logistic Information **S**ystems»).

Two significant experiences can be cited to show how the use of new information technologies can contribute to the improvement of management processes.



EMT RO-RO Terminal management system molo VI TRIESTE



EMT's terminal operating system is a **complete integrated platform** that include:

- Hardware infrastructure and devices for automatic recognition and data acquisition at the gate and yard
- Wireless network infrastructure
- Handheld and on board devices, tablets and mobile software applications
- Back end software applications



The EMT terminal system is conceived to be **fully integrated** with the IT systems of multimodal transport operators in particular **rail and maritime transport** management systems.

EMT RO-RO Terminal management system Molo VI TRIESTE



EMT terminal experience is **absolutely representative** of how the use of new technologies and especially the integration of systems can actively contribute to the efficient management of processes:

- the use of **innovative technologies** such as mobile systems introduces **increased performances** in the operations, **optimization** in the use of resources and consequent **savings of time and costs**
- **System integration** through M2M interfaces provides **full traceability and reporting**

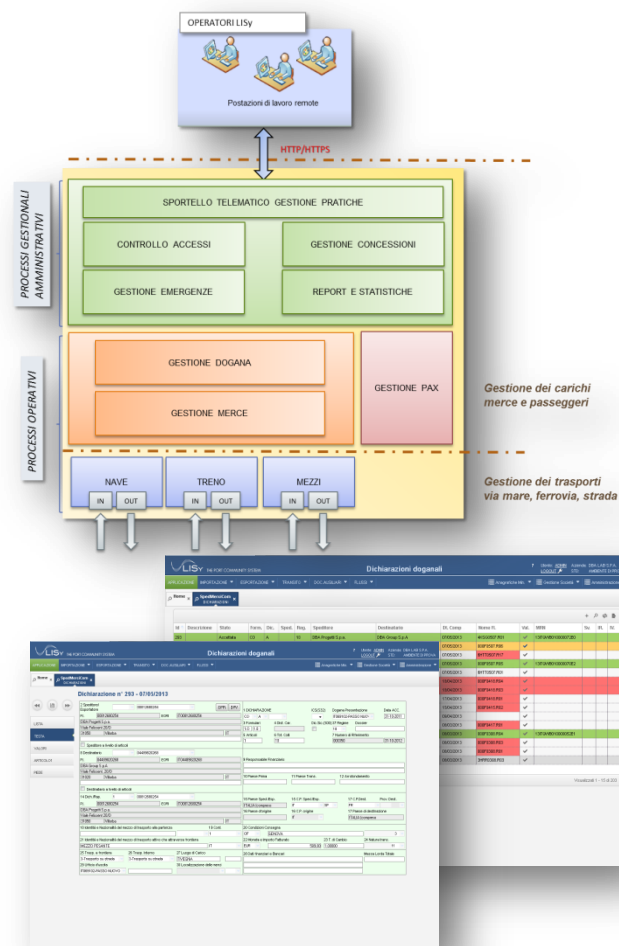
Through a more efficient management of resources and activities, EMT can achieve increased overall **capacity to collect and manage traffic**, can provide **better services** to end users/customers and contributes to raise the overall **business attractiveness** of the whole port area of Trieste.



DBA Lab is working at the implementation of a **Port Community System** that is:

- **An information and document management platform** for the collection and sharing of information in a non-redundant and secure way
- **A collaborative platform** that allows the sharing of information between involved actors
- **A process management platform** that makes it possible to coordinate the activities that the different actors of the port community must carry out in order to complete their supply chain processes

The PCS will be equipped with all the enabling technologies to implement **full machine to machine interfaces** with external IT systems of both government and private parties



Thank you for your kind attention

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