



Clusters 2.0

Proximity Terminal Network & Cluster Community System

Clusters 2.0 Webinar

9th July 2020

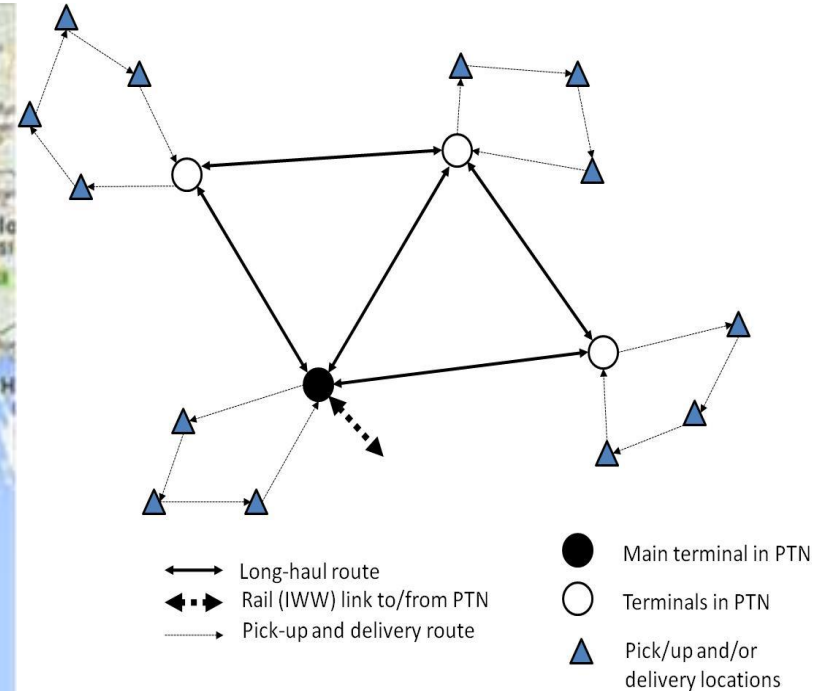


WP2 - Collaboration and synergies within a Cluster

› Clusters 2.0 Work Package 2 main objectives:

- Set up a framework and develop the conditions for efficient coordination of logistics Clusters.
- Set up and implement the concept of PTN: increasing engagement, performance and co-ordination of terminals and hubs within a logistics Cluster.
- Set up a Cluster Community System - CluCS to optimize resources and assets on Cluster level.
- Develop added value services of enhanced collaboration within logistics Clusters.

WP2 - Collaboration and synergies within a Cluster



PTN can be considered as a “regional” network of intermodal terminals part of a logistics Cluster and having a central aim to leverage synergies on freight planning and execution between the involved nodes by means of resources and assets sharing.

CluCS concept

- › **IT platform supporting the governance of the Proximity Terminals Networks and their aggregation (Clusters);**
- › **Boosts the visibility of the services** offered by each Nodes and LSPs (in line with the Physical Internet Road Map)
- › **Enables efficient management of information** (cargo flows and assets);
- › **Allows coordinated management of multiple hubs** with different specializations;
- › **Enables involvement of manufacturing and value added service providers;**
- › **Creates synergies and allows to link Clusters to TEN-T corridors;**
- › **Permits the coordination and collaboration between neighbouring and regional terminals.**



CluCS components

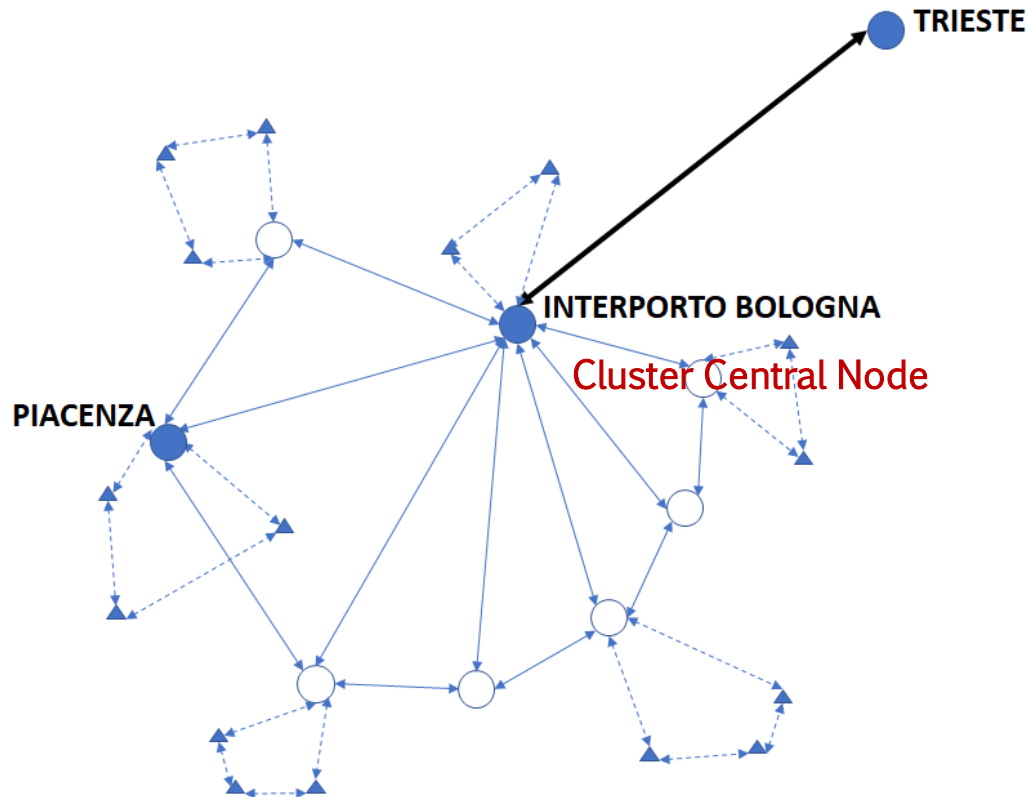
Communications infrastructure

- Secure Message Exchange between Cluster participants establishing Trust
- Easy user's back-end integration through development of Connectors

Web Interface

- Planned Cargo Flows - **paths & time tables** (by train, road and maritime - pilot)
- Intermodal Logistic Services - **free slots & booking** (e.g. train slot booking and real-time availability update - pilot)
- Identification of *Cargo Consolidation* (goal: reduce road traffic in benefit of rail traffic) (enabled)
- Identification of *Cargo Pooling* (enabled)

CluCS platform and its stakeholders (Pilot)



Users:

- Shippers
- Terminal operators
- Logistics Service Providers
- MTO

CluCS in its pilot version is an IT platform supporting the governance of the Piacenza-Bologna-Trieste network (PTN).

CluCS also **aggregates data** from shippers, LSPs and MTO **enabling** the full or partial **sharing** of these data **with** other Platforms that works at an upper level (Inter-cluster).

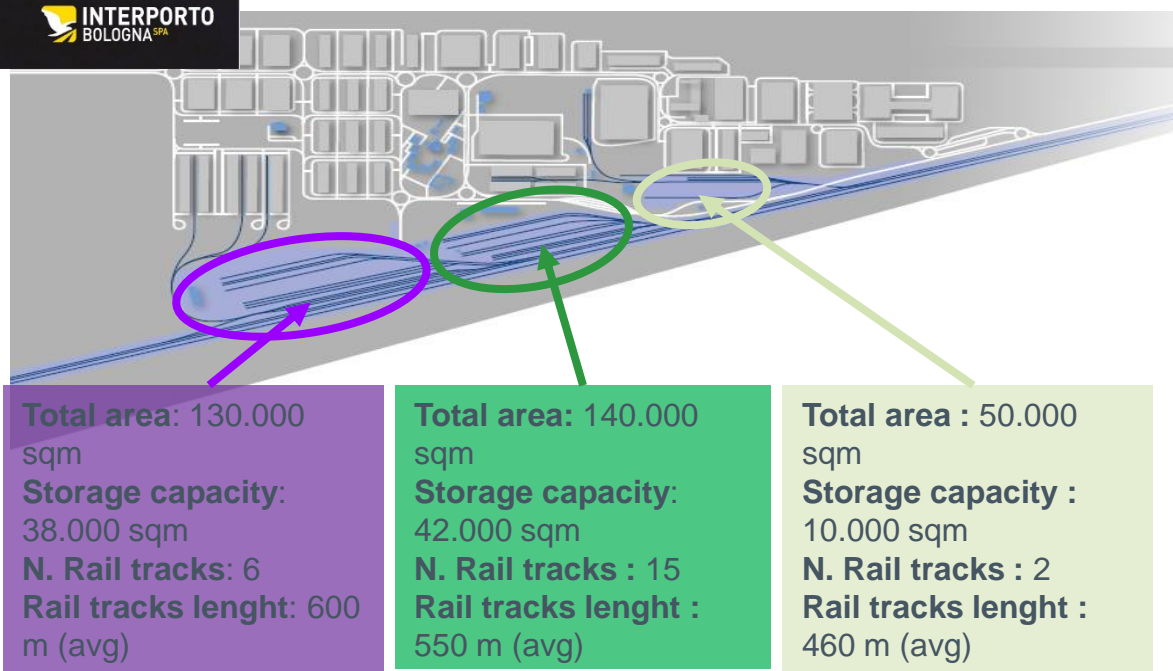
Interporto Bologna

THE FIRST CLASS LOGISTICS HUB



- ▶ **4.100.000** sqm territorial surface
- ▶ **600.000** sqm warehouses & offices
- ▶ **120** Transport & Logistics companies
- ▶ **5.000** people working in the node

- ▶ **3** Intermodal Terminals
- ▶ Crossing **3 TEN-T** corridors
- ▶ **320.000** sqm of rail facilities
- ▶ **1** railcar workshop



Central Node of CluCs - Pilot

Piacenza Hub



Node of CluCs - Pilot

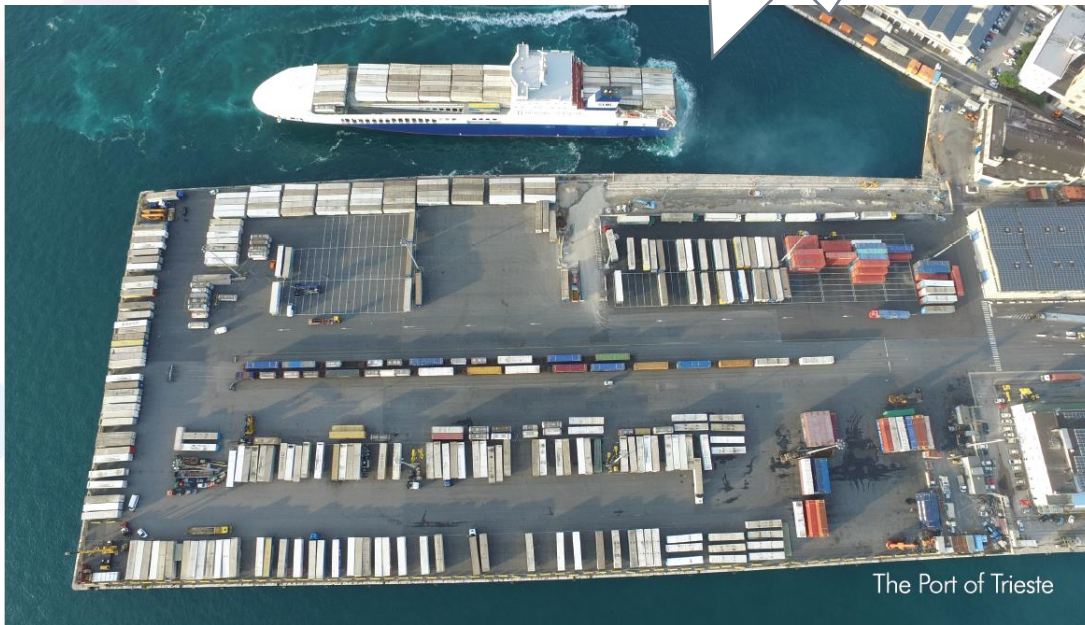
GTS is a leading company in Italy and Europe in intermodal transport. It was founded in 1977 and its mission is to remove the trucks from the roads.

EMT Trieste Terminal



**ACQUIRED
BY DFDS**

EMT (Europa Multipurpose Terminal) is a member of the Galvina Ro-Ro Terminals AS group. It was established in 2010 by Francesco Parisi and operates on Pier VI in the port of Trieste with a 25 years concession (2012-2034).



The Port of Trieste

Pier VI is located in the centre of the Port of Trieste and its main features are 80.000 sqm total area, 1500 m berths, one RO-RO berth, draft 29' to 33', four rail tracks and one 9000 sqm warehouse.

Node of CluCs - Pilot

Trieste Port Authority



Autorità di Sistema Portuale
del Mare Adriatico Orientale
Porti di Trieste e Monfalcone



Node of CluCs - Pilot

The Port Network Authority of the Eastern Adriatic Sea is a non-profit public body, endowed with administrative, budgeting, and financial autonomy.

The Port of Trieste is one of the 15 Italian ports that are home to Port Network Authorities.



Clusters 2.0



Thank you for the attention

dallasta@bo.Interporto.it

+ 39 051 29 13 019

Palazzina Doganale

Interporto Bologna

Bentivoglio - Italy

