



The BOLANO Tools

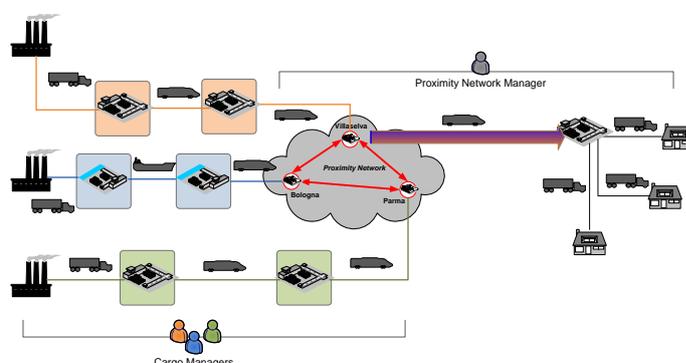
Innovative package to enlarge Intermodal Terminal role and business

The BOLANO Tools package aims to support the "terminals of the future" towards positioning them as dynamic and collaborative facilitators for the whole transport network.

The proposed applications can be used either independently or together to upgrade the quality of the processes and introduce added value services for the whole community towards terminals' increased competitiveness and market share

The PNM tool

Proximity Network Manager is a Cargo consolidation tool that is based on the "Proximity Network" concept elaborated by IBI. It allows to involve collaborative terminals in a territorial/regional network and support them to facilitate the optimisation of the cargo management along the transport chain.



Enabling the implementation of a collaborative model among terminals, the tool favours the greening of the hub network through increased load factor for multimodal transport and reduced utilization of road transport in long distance assignments.

The Proximity Network Manager is an attractive partner for all Cargo Managers relieving them from complex assignments in remote areas thus generating new opportunities for the partnership (BOLANO terminals) to penetrate new markets across EU.



Functionalities

- **Proximity Network Publication:** the Proximity Network Manager in collaboration with the terminal operators use T2SP to define the Proximity Network functioning and terminals involved. In this way, cargo managers are aware of the collaboration possibilities in the area in order to undertake long distance and multimodal planning.



- **Consolidated transport planning:** supports Proximity Network Manager to bundle cargo volumes by consolidating consignments passing through the terminals of the Network. **Smart cargo consolidation mechanisms allow the timely, most economic and CO2 efficient transport from origin to destination.** Planning is supported by combined booking activities allowing the collaborative management of many transnational transport chains by more than one Cargo Managers under various levels of responsibility.
- **Transport monitoring:** status information is collected from the service providers during the execution phase. Transport progress is automatically available to the involved FIs, depending on their responsibility. Status dissemination is done on a need to know basis. Potential incidents occurring along the consolidated terminals network are spotted, disseminated and recovered by PNM on behalf of the primary Cargo Managers.

Benefits

- **Terminals:** opportunities to increase their throughput and consequently revenues, through the enlargement of their catchment area and creation of new connections.
- **Cargo Managers:** efficient and reliable services for collaborative managing of transport chains leading to savings in terms of cost and environmental performance through the higher load factor. Furthermore, the availability of new destinations with new connections opens their business portfolio.
- **Rail Service Providers:** running services with increased load factor reduce the operational costs for the SPs and increase their margins. Furthermore, the creation of additional connections - e.g. shuttle trains - provides opportunities for promoting intermodal transport also for short and medium distances.
- **Shippers:** benefits from the lower prices for the Cargo Managers. Furthermore, with the availability of more alternatives than just road transport they can promote their environmental consciousness in the market.

All BOLANO tools address current business potentiality restrictions and provide added value to collaboration prospects of the intermodal players towards lead time reduction through coordination, cost savings through load factor increase and environmental sustainability through co-modality.

Terminal Managers and interested stakeholders can implement the BOLANO Tools without any needs of disinvesting from existing applications and with limited costs.

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PNM