# BOOSTLOG LOGISTICS NODES









# **PROJECTS INCLUDED IN THE CLOUD REPORT**



**MAIN OUTCOMES** 



Technology

Business model

Policy

Service / Product



2000

Safety & Traffic Management

ICTs for optimizing container/intermodal terminal processes and operations

The new generation of Logistics Nodes: governance, collaboration and business models

Transition to more efficient and sustainable vehicles and machineries

INTERFACE

CHIN

2010





# **IMPLEMENTATION CASES**

### **5G Port of the Future Project (RTPORT)**

The solution, still being used in the Port of Livorno, is a model driven real time control aiming to control and support the port operations in real time by making cargo handling better and faster.

### **PREDICTOR Asset Management**

It is machine learning tool based in Just in Time inventory with the objective of extending the lifecycle of yard equipment, improve its availability and reduce inventory cost and size. The system is kept in the port of Piraeus.

# **Slot Booking App**

It is a web application that assists the operations of freight delivery and pick-up in airports, reducing waiting and idle times and optimising personnel planning and the transparency and smoothness. This solution is still being used in the Brussels Airport and currently it is active in many other airports such as Singapore, Luxemburg or Vienna.

Supplier:	Swissport Cargo Ser	rvices B 👻 Ten	plate: No templates fou	ind: 🗸	Get capacity		🗹 Auto refresh every 5 🗸
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				~ м		Truck	~ м
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#### PdM Schedules Equipment Data Overview ★ 👾 ġ. Maintenance 1. Data Collection 2. PdM Platforn 3. Outputs

# **Port Environmental Index (PEI)**

a quantitative indicator of the İS environmental performance aiming to create a methodology to quantify all the environmental aspects of ports and its related impacts into a single metric. Currently, this index is used in the Ports of Piraeus, Thessaloniki, Bordeaux and Mon Falcone, and it is also expanding to the Port of Vigo.

2020

## **Port Rail Shunting Optimization Tool**

The tool combines the solution of a Decision Support System for the planning and the management of rail shunting operations within the port area with a Digital Twin for simulating the operations. It is already deployed for the "scheduling" in an integrated manner with the software used by the shunting operator in the port of Genova.





# **IMPLEMENTATION PATHS**



### Aspects that determine the path ahead

- Low level of involvement of the logistics nodes.
- **Innovation programmes are not alone** contributing to the improvement of Logistics Nodes.
- The **interest** of innovation projects in the Logistic Nodes is considerably recent.
- **Ongoing projects.**





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