



DOCKS THE FUTURE

defining the concept of "Port of the Future"

24 November 2020

Digital conference

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APDL – PORT AUTHORITY OF DOURO, LEIXÕES AND VIANA DO CASTELO



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DOCKSTHEFUTURE



Co-funded by the Horizon 2020 programme
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LEIXÕES: MULTIPURPOSE PORT

CONTAINER TERMINALS



OIL TERMINAL



OFF-SHORE OIL TERMINAL



CRUISE TERMINALS



RO-RO TERMINALS



AGRI-BULK



MARINA



BREAK-BULK TERMINAL



SOLID BULK TERMINAL



CEMENT TERMINAL



L FISHING PORT



PORT FACILITIES AT VIANA DO CASTELO



COMERCIAL PORT



INDUSTRIAL PORT – Enercon factory



INDUSTRIAL PORT – Shipyard



RECREATIONAL PORT

DOURO INLAND WATERWAY

208 km



+100 Maritime tourism boats



+1,2 million passengers
In 2018



+60 maritime tourism
operators



33.829 ton
in 2018



Today

Ports & Inland Waterway

Port Single Gate (3PL + APP Rodovia)

Port Community Systems

Port Single Window (JUP)

River Information Services

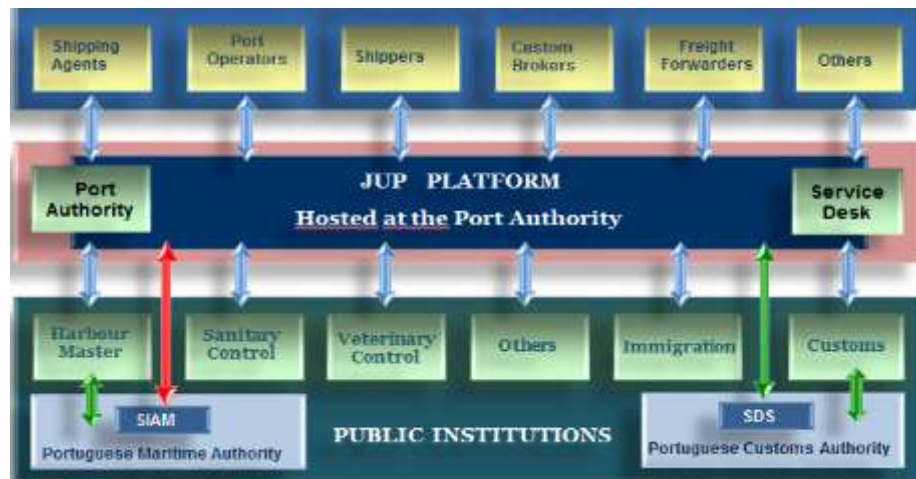
JUP DOURO + DIW Portal



PORT SINGLE WINDOW (PSW)



PSW IS AN ELECTRONIC PLATFORM THAT IMPLEMENTS THE CONCEPT OF A VIRTUAL ONE-STOP SHOP. IT IS A SINGLE POINT WHERE THE PORT ENTITIES AND ECONOMIC AGENTS SHARE THE RELEVANT INFORMATION OF PORT PROCESSES (CARGO AND SHIPS)



PORT SINGLE GATEWAY

ACCESS CONTROL CARGO, VEHICLES AND DRIVERS

► Gate waiting time : **11 min** ► Time at port : **45 min**



APP RODOVIA

Mobile APP – Customer (Truck driver) engagement



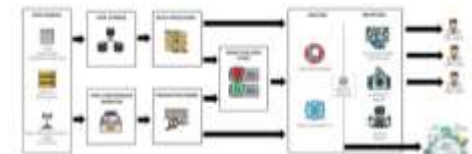
Tomorrow

Future challenges



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- 3MapsTrack Allow real-time tracking of potentially dangerous goods in the Port of Leixões:
 - Moving on trucks
 - Parked in the container park
- GIIP Project - Intelligent Port Infrastructure Management Improve the availability of port infrastructure, reducing the total cost of maintenance, through automated and real-time monitoring of the status of degradation of port infrastructure and predictive analysis of its evolution
- PMIS / SmartWaterWays Project - Automated vessel monitoring



Network of Excellence

Our expectations regarding the Network of Excellence relate share the knowledge about the best practices in the port industry, innovative ideas, new technologies and the support for policy changes, being the best we can be.

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