



SEAPort Solutions

TECHNOLOGICAL PROVIDER OF IT SOLUTIONS FOR OPTIMIZING PORT
CALL PROCESSES BASED ON PORTCDM PRINCIPLES

www.seaport-solutions.com

THE COMPANY

Start-up established in 2020 and based on Valencia (Spain) that develops solutions and offer technological services to improve the coordination of operations related to port call processes of ships through shared digital information, systems integration and the creation of a framework for collaboration among the key actors involved in these processes..

PARTNERS



BENEFITS OF PORT CALL OPTIMIZATION

In a global context characterised by increasing competitiveness, the search for economies of scale and commercial and energy uncertainty, the efficient management of ship calls is essential to survive as a port of reference in international transport and logistics chains. To this end, **ports and their key stakeholders must have systems and tools that allow them to provide the best service to their customers and to minimise idle and waiting times.**

The figures of PortCDM testbeds performed during the STM (Sea Traffic Management) Validation project showed that **only 40% to 65% of the turnaround time**, depending on the type of vessel, **was dedicated to loading and unloading operations**, reflecting the **big room for improvement of the port call processes.**

The digital exchange of data in real time among involved agents helps **to drastically reduce telephone and radio calls** for enquiries and on average **could cut back vessels' turnaround time by an average of 7 minutes** with significant improvements in profitability and contribute to reducing the associated environmental impact of port calls.

OUR PROJECTS



Project focused on implementing PAULA at operational level at the three ports managed by Valencia Port Authority: Valencia, Sagunto and Gandia, co-funded by Ports 4.0 programme.



Portos do Paraná (Brazil) has been the first Port Authority to implement the PortCDM concept in Latin America with the technological assistance and guidance of SEAPort Solutions.

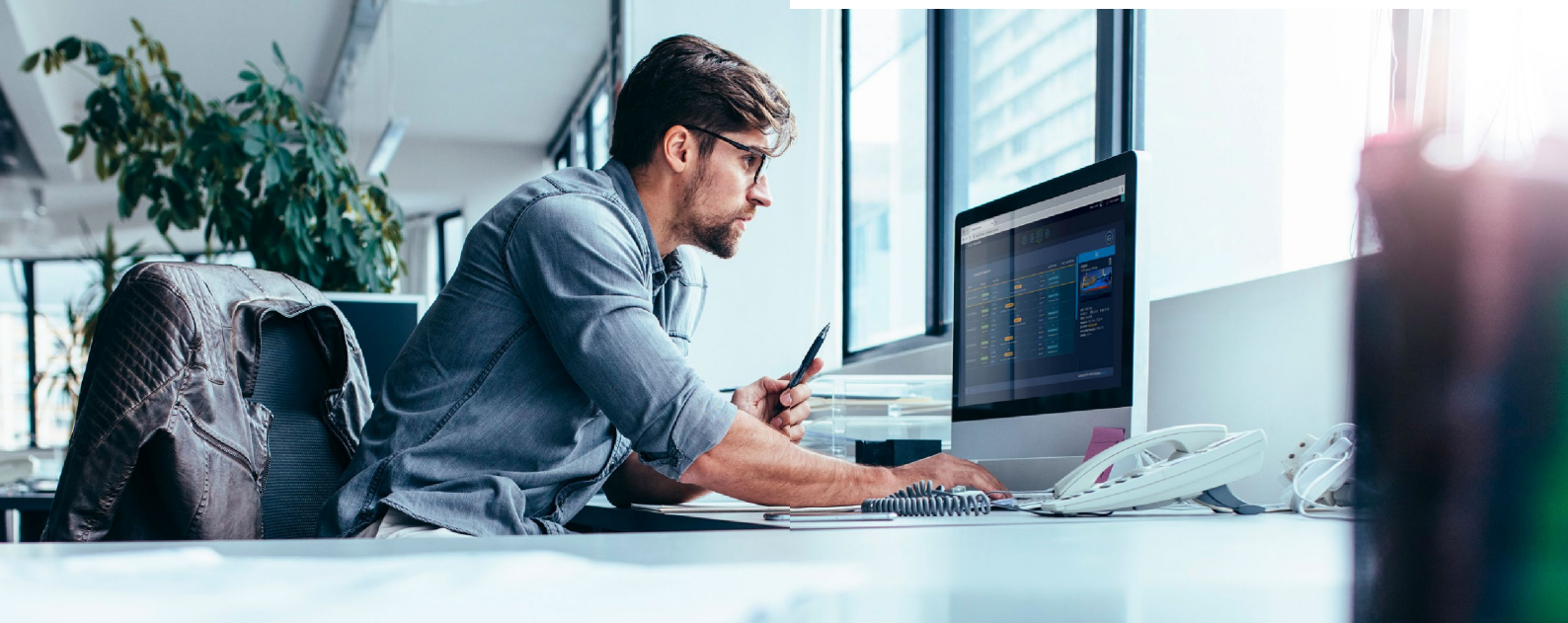


Project of development of new functionalities of the platform (CO2 emissions calculations, use of AI models to predict events, etc.) co-funded by Valencian Innovation Agency.



Horizon 2020
European Union Funding
for Research & Innovation

SEAPort is one of the partners in the DT4GS project funded by EU, which aims to apply digital twin technologies to improve efficiency and reduce emissions in maritime transport.



Paula™

Platform for Automatically Linking Agents

Our **solution for sharing data and information** among the key players involved in these processes (port authorities, pilots, tugboats, terminal operators, mooring agents, consignees, bunkering providers, etc.) **can be customized to the specific needs of each port** and the operational requirements that these entities may have and it provides the advantages of a comprehensive end-to-end solution.

PAULA ensure that events information is available and visible to the right agents, with their corresponding authorisation, in real time, thus providing a complete and dynamic view of the port call process, and enabling better coordination and decision making.

The system is compatible with the international standard messages for the exchange of events information during port calls (IALA S211 format and Digital Container Shipping Association (DCSA) definitions) and it is the basis for operating just-in-time port calls and implementing the JIT Arrivals concept that it is actively being promoted by the IMO.

PAULA can be deployed on the cloud, **SaaS model** in which each user pays monthly or yearly for the license fee, or installed in the Port Authority infrastructure, **on-premises model** including the license and a whole project of port community systems progressive integration.

Its main functionalities are:

- Access Management to the port call data according to specific roles and permissions.
- Real time monitoring of key events of the port calls (ATA to traffic area, pilot on board, ATA Berth, tugboat ready for service provision, etc.).
- Data gathering from the main sources involved in port call processes (pilots, port control, shipping agencies, moorers, tugboats, terminals, etc.).
- Dashboard with customized KPIs allowing to stablish continues improvement politics and minimizing idle time.
- Module of contrast for facilitating the quick identification of reporting delays or errors through cross-checking of event data from multiple sources.
- Sending notifications to the systems of each agent involved according to specified needs it has for optimizing its service provision.

ASK US FOR A CUSTOMIZED BUDGET





SEAPort Solutions was proposed as one out of five startups to look out for in 2021 in the maritime sector by StartUs Insights.



SEAPort took part in the second phase of the EU EIT Climate-KIC business accelerator programme in 2020.



SEAPort participated in the Cycle 5 of the BlueInvest Business Assistance programme managed by EU Maritime Forum.

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