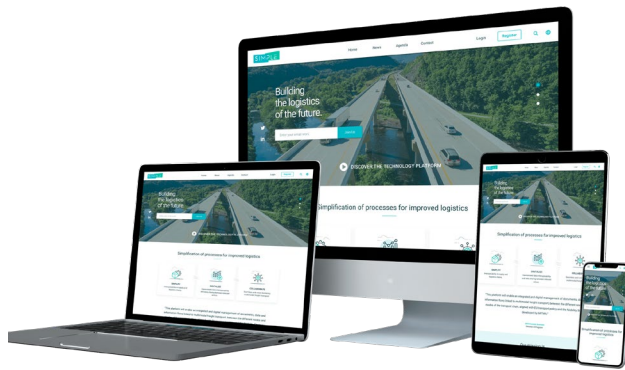# JUL – LOGISTICS SINGLE WINDOW

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Digital intermodal platform to harmonize and simplify logistics processes

Indra Mova Solutions
Unlocking mobility, life happens

janela única logística

Portuguese Ports Association

The Associação de Portos de Portugal led and developed an electronic platform for digital management of all documentation and port processes and its Hinterland, through rail and road transport.

This platform is used by the entire port and logistics community as well as government entities that participate in the logistics and operational chain.

Digital ecosystem for business development and value creation in logistics and port networks

JUL is a digital platform or system that facilitates the efficient flow of information and documentation related to international trade and logistics processes. It serves as a central hub where various stakeholders, including government agencies, customs authorities, importers, exporters, shipping agents, and logistics providers, can submit, process, and exchange data and documents required for international trade.

Provides a unified interface and standardized data formats, as full fledge logistics single window, eliminates the need for multiple data entry and redundant documentation submission across different entities involved in the trade process. This promotes interoperability and seamless data exchange among various stakeholders, leading to improved efficiency, reduced costs, and enhanced transparency.

JUL represents a 20-year evolution in the logistics chain management software. By implementing a logistics single window, the Portuguese Ports can enhance their trade facilitation efforts, reduce trade barriers, and promote economic growth. It enables businesses to streamline their supply chain operations, optimize inventory management, and improve overall efficiency in national and international trade.

https://jul.nsw.pt/

Challenges and achivements

> JUL is an electronic platform deployed at a national level for the submission and management of all the information of the movement of sea and land means of transportation, people and goods.
>
> It is fully compliant with all the main standards and is the single point of access for the community to manage ship calls, train and truck voyages circulation of people and import an export of goods.
>
> Supported by a robust technical infrastructure, manages large volumes of data, provides real – time access and response and ensures uninterrupted connectivity across various stakeholders.

JUL's main objective is to serve as **a digital platform** that enhances collaboration between all actors in the multimodal logistics chain through digital data exchange. The solution comprises:

- **Single Point of Access**. Centralized platform for the interoperability of the entire logistics chain, through the use of international standards it achieves the harmonization of processes allowing the entire community to seamlessly communicate

- **Data reuse**. The semantic harmonization of data and processes introduced by JUL makes it possible to achieve the principle of submitting data only once. As soon as a certain piece of data is recorded in the context ship call, other means of transportation or cargo movement, this data is immediately made available to all the other participants involved in that operation, according to the permissions and role they play, allowing for increased efficiency throughout the logistics chain.

- **100% paperless operation**. Implements the concept of the single and electronic declarative act, by submitting the information once, the stakeholders can rely on JUL to process, validate and ensures real-time delivery of the information to the remaining stakeholders.

- **Recording of incidents**. All logistic flows include recording the time and actors involved in that flow, assuring traceability of all events and providing valuable data to obtain KPIs allowing the continuous improvement of processes and operations.

- **Data Security and Privacy: With the consolidation of data from multiple stakeholders it, ensures data security and privacy. Sensitive information, such as commercial data, customs declarations, and personal data, is protected from unauthorized access, cyber threats, and data breaches. Establishes robust security measures, compliance frameworks, and data protection protocols that are vital to address these challenges.**

- **Visibility**. Once all Shipments and Events are registered, JUL allows the involved actors, commercial and governmental, to follow and track the information and status of their transport and cargo**.**

- **Accessibility. It is a multi-platform system, allowing for users to access and manage their information from anywhere and in real-time through any device, via web and mobile applications.**

Finally, it is a common platform for identification and authentication, an **interoperable and horizontal system** that provides secure and reliable access to data across multiple systems.

In this way, JUL provides a **24x7 access available and interoperable** with external systems, achieving a **complete traceability** in the transit of goods, by land and sea, and allowing an **effective control** by the Authorities. All this while integrating the complete tracking of logistics movements**, improving the efficiency and reliability of processes and significantly reducing the costs of operations and accelerating the processing of administrative tasks.**

Differential value

- Data Integration: It integrates information from various systems and sources, allowing users to access and exchange data seamlessly.

- Standards Compliance: Data interchange is based on the most relevant and used standards in the market. Allow for quick integration of new stakeholders in the entire logistics chain.

- Automated Workflows: It supports automated processing and validation of information, reducing manual interventions and expediting trade processes.

- Compliance and Regulatory Support: The system incorporates regulatory requirements, ensuring that trade activities comply with customs, security, environmental and other relevant regulations.

- Tracking and Monitoring: Users can track the status of their shipments, view real-time updates, and receive notifications about any potential issues or delays.

- Collaboration and Communication: The platform facilitates communication and collaboration among different parties involved in the trade process, allowing them to exchange messages, share documents, and resolve queries efficiently.

- Data Analytics: The system may provide analytics capabilities, generating insights from the collected data to identify bottlenecks, improve processes, and support decision-making.

JUL is the national central hub for all logistics operations

JUL's success is based on its easy accessibility for both authorities and logistics operators.

It is constantly upgrading and adding new features and processes to respond to technical and operational challenges

JUL has open interfaces (API) for access to large volumes of information and integration with third-party systems.

It also allows access to information and processes in a simple way (web) for all stakeholders, from small companies without technological possibilities to large corporations.

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At the core