YEP MED

YOUTH EMPLOYMENT IN PORTS OF THE MEDITERRANEAN

Work Package (WP2): Communication

Output (2.2): Development of tools

Activity (2.2.2): ERP for Simulated Companies

ERP for Simulated Companies

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Purpose of the deliverable:

This deliverable provides an overview of the educational module developed within the Click and Cargo ERP for the conduction of the YEP MED training courses. It showcases the functionalities and most important features of the platform.

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1. INTRODUCTION: THE CLICK AND CARGO ERP

Click and Cargo provides an intuitive and comprehensive Enterprise Resource Planning (ERP) solution tailored for freight forwarders. Their software is known for its user-friendly design, making it a preferred choice in the transportation and logistics industry.

Freight forwarders are businesses that manage and coordinate the transportation of goods across various modes such as ships, airplanes, trucks, and trains. Their operations involve complex processes like route management, schedule coordination, inventory management, and shipment tracking, making an effective management system vital for their efficiency and success.

Key Features

Intuitiveness: Click and Cargo's ERP software prioritizes ease of use with user-friendly interfaces, simplifying implementation and employee training.

Comprehensive Functionality: It offers a wide range of functionalities, including inventory management, route planning, invoicing, shipment tracking, document management, and report generation. All these functions are integrated into a single platform to enhance operational efficiency.

Time and Cost Savings: The ERP system automates and optimizes key processes, reducing human errors, saving time, and ultimately cutting operational costs.

Enhanced Decision-Making: Real-time data collection and analysis support more informed and strategic decision-making, which is crucial in the competitive logistics and transportation sector.

2. THE YEP MED CLICK AND CARGO ACADEMIC MODULE

In addition to its ERP system, Click and Cargo has developed an academic module for the project YEP MED. This module is designed to educate and train students in intermodal transport, equipping them with the knowledge and skills needed to excel in this dynamic industry.

Leveraging Click and Cargo's expertise in logistics and transportation, this academic module contributes to the development of the next generation of professionals in the field.

**Key Features of the Academic Module: Unlocking the power of immersive learning**

Click and Cargo's academic module for the project offers comprehensive training in transport and logistic operations, covering various transportation modes, including land, sea, air, and rail.

Here are the key components and benefits of this academic module:

Inland Transport Module:

This module focuses on land transportation, encompassing road and rail transport. Students gain a deep understanding of the operations, regulations, and specific challenges within this mode.
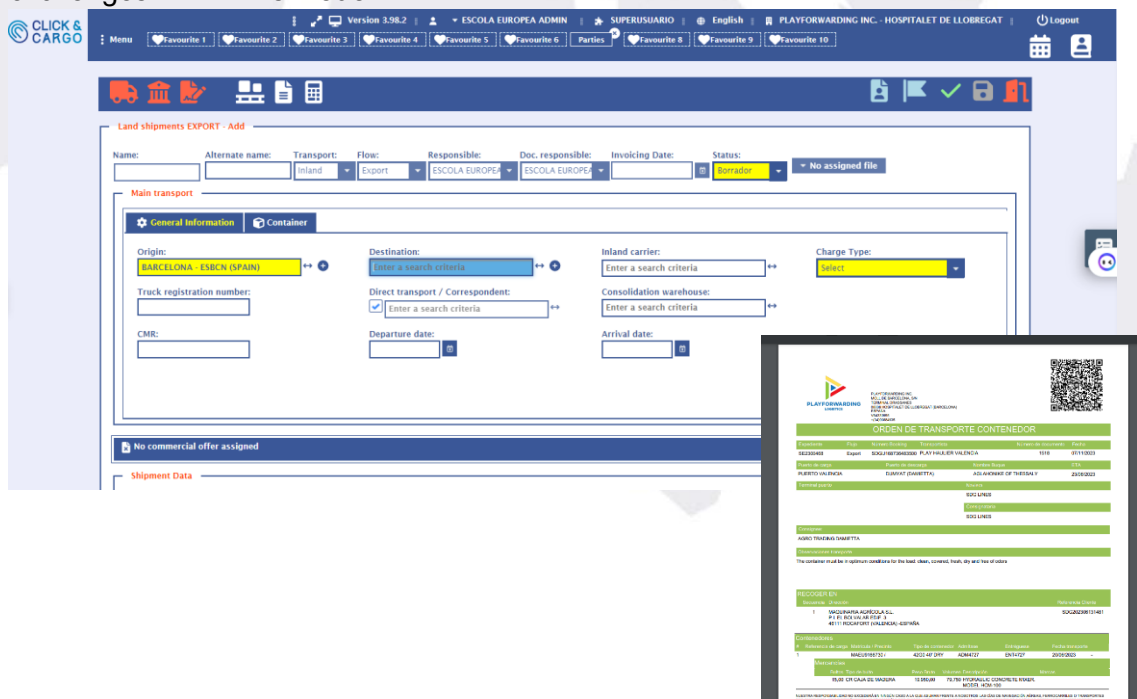
In the Land Transport Module of Click and Cargo, participants and students can expect to explore a range of essential operations and topics. These include:

Booking of Transport: Understanding the process of booking land transport services, coordinating various factors, and optimizing logistics.

Customs Documents: Examining crucial customs documents, such as bills of lading, commercial invoices, and certificates of origin, and learning how to complete and manage them accurately.

Customs Clearance: Studying the customs clearance process, including the declaration of goods, inspections, and compliance with customs regulations to ensure timely deliveries.

Freight Documentation: Exploring various freight documents like waybills and consignment notes, and learning how to properly complete, manage, and verify them.

Incoterms: Familiarizing with International Commercial Terms (Incoterms) and their impact on transportation mode choices and related documentation.

Border Crossings: Learning about cross-border procedures, customs clearances, and unique challenges associated with international land transport.

Electronic Documentation: Exploring the use of electronic documentation for greater efficiency and sustainability in land-based logistics.

Maritime Transport Module:

The sea transport module delves into logistics and port operations, container management, and navigation. Participants explore port management procedures and how they integrate with sea transport.

In the Maritime Module, students receive a comprehensive education on the maritime aspects of transport and logistics, covering critical operations and procedures. This module equips participants with the skills and knowledge needed to excel in sea transport and intermodal logistics. Here are the key components:

Booking with Shipping Lines: Understand the process of booking cargo space on shipping lines and how to coordinate these bookings efficiently. Learn the principles of booking cargo on sea vessels, considering various factors such as cargo type, route, and vessel capacity.

Coordination of Land Transport: Explore how sea transport integrates with land transportation to create a seamless intermodal supply chain. Understand the coordination and communication required between sea and land transport to ensure smooth cargo transitions.

YEP MED

Customs Procedures: Gain insights into customs procedures and documentation specific to maritime transport, including the declaration of goods, customs inspections, and payment of duties. Learn how to navigate the intricacies of customs regulations in the context of sea transport.

Port Operations: Study port operations, including the loading and unloading of containers and cargo, storage, and transfer procedures. Understand how efficient port management contributes to the smooth flow of cargo in maritime transport.
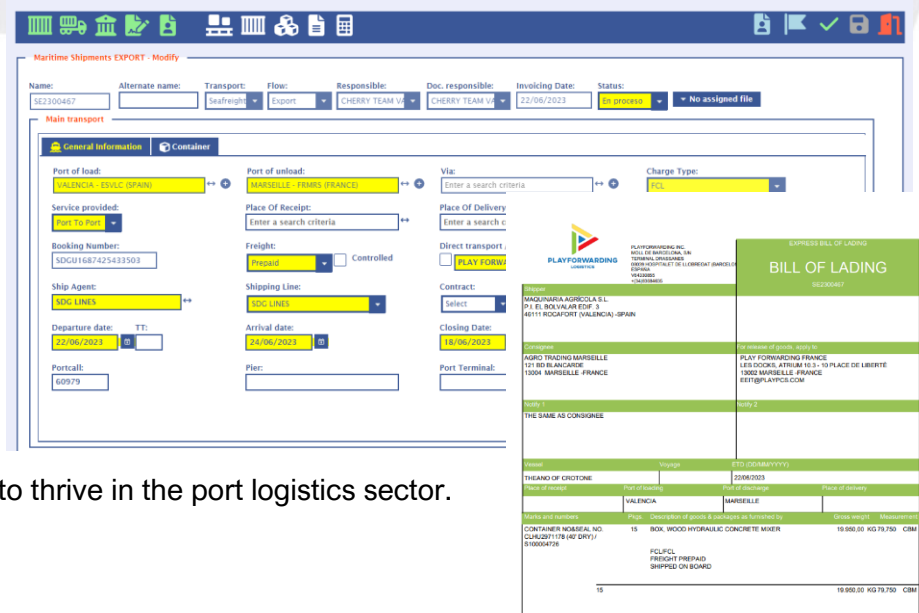
Container Management: Explore the management of containers in maritime transport, including container handling, and tracking. Learn about the use of container management systems and technologies to ensure container availability and security.

Document Digitalization: Learn about the digitalization of maritime documentation, including electronic bills of lading, customs declarations, and cargo manifests. Explore how digital tools enhance document management and communication in sea transport.

Generate Master Bill of Lading and House Bill of Lading: Understand the creation and significance of master bills of lading and house bills of lading, which are critical documents in maritime transport. Learn how to generate, manage, and verify these documents accurately.

Maritime Case Studies: Analyze real-world maritime case studies to gain practical insights into successful sea transport operations. Apply lessons from these case studies to develop effective maritime logistics strategies.
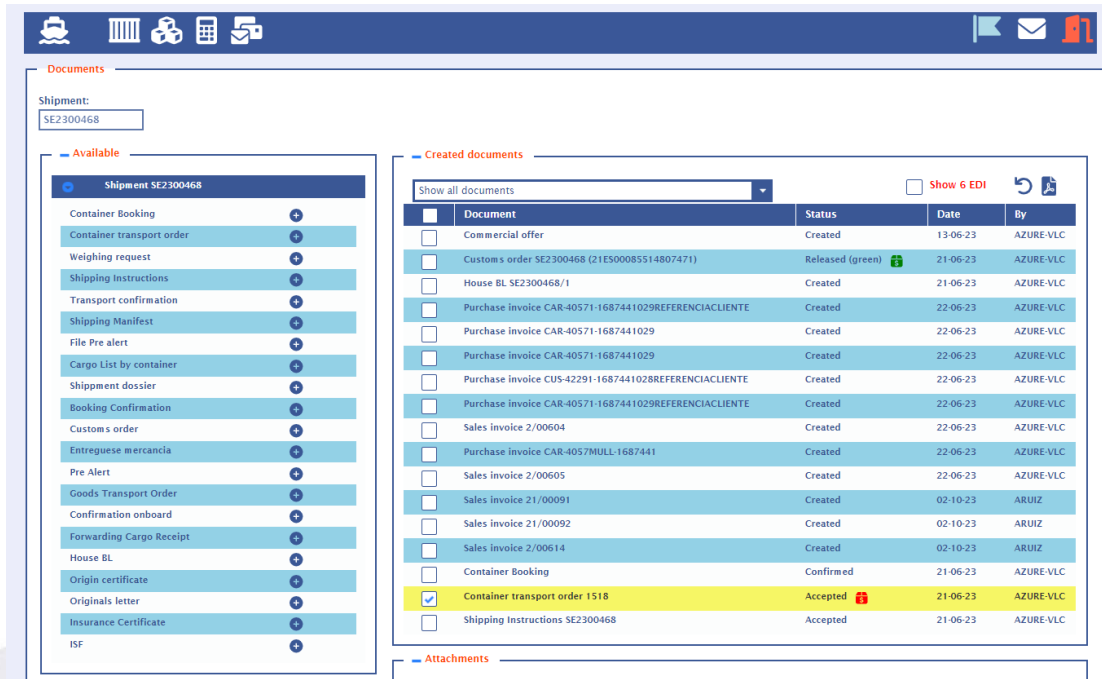
The Maritime Module provides students with a well-rounded understanding of sea transport and its integration into the intermodal supply chain. From booking with shipping lines to navigating customs procedures and digitizing maritime documentation, participants gain the knowledge and skills needed to thrive in the port logistics sector.

Air Transport Module:

With a focus on air transport, this module covers airport logistics, air cargo management, and flight scheduling. Participants gain valuable insights into key aspects of air transportation and associated logistics.

The Air Transport Module in Click and Cargo's academic program is designed to provide a thorough understanding of air transport logistics and its integration into the intermodal supply chain. Here are the key components:

Air Cargo Management: Explore the management of cargo in air transportation, including cargo handling, storage, and security procedures. Understand the unique considerations of air cargo, such as weight restrictions and the need for specialized handling.

Airport Logistics: Study the logistics and operations of airports, including cargo handling facilities, customs procedures, and ground support services. Gain insights into the efficient flow of cargo through airports and the coordination of air transport services.
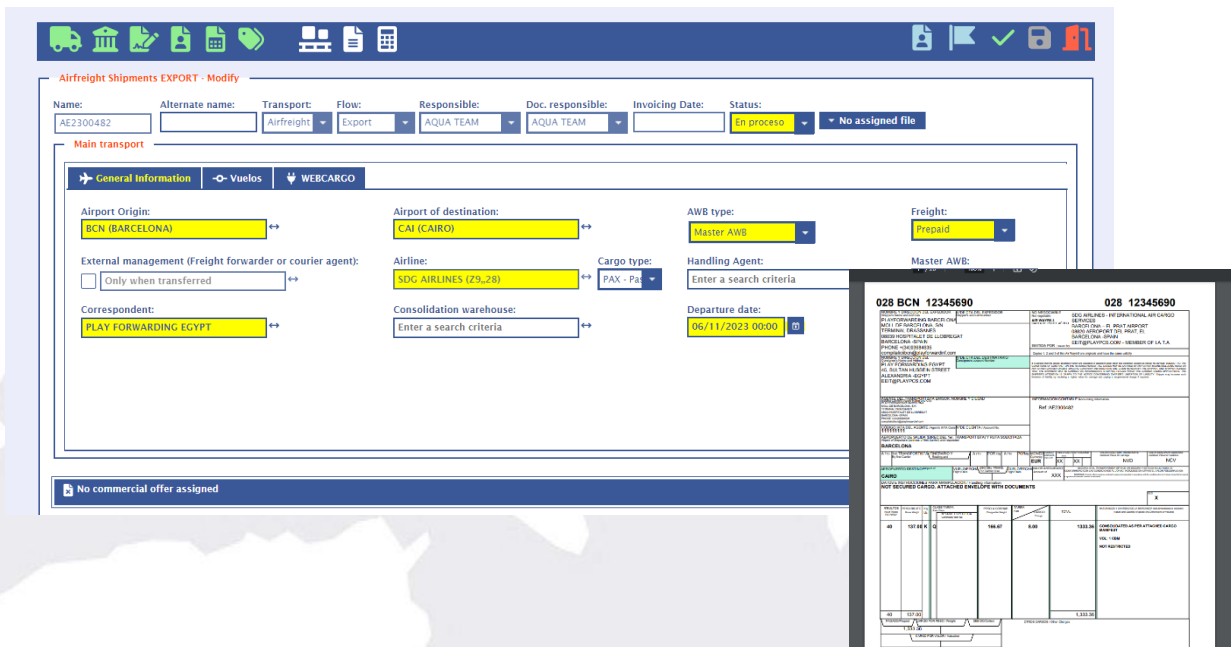
Flight Scheduling: Learn about flight scheduling and the factors that impact flight planning and timing, such as routes, aircraft availability, and weather conditions. Understand how airlines and cargo operators optimize flight schedules for efficiency.

Airway Bill (AWB) Emission: Explore the process of issuing airway bills, a critical document in air transport, which serves as a receipt for cargo and a contract of carriage. Learn how to accurately complete and manage AWBs and their role in air cargo logistics.
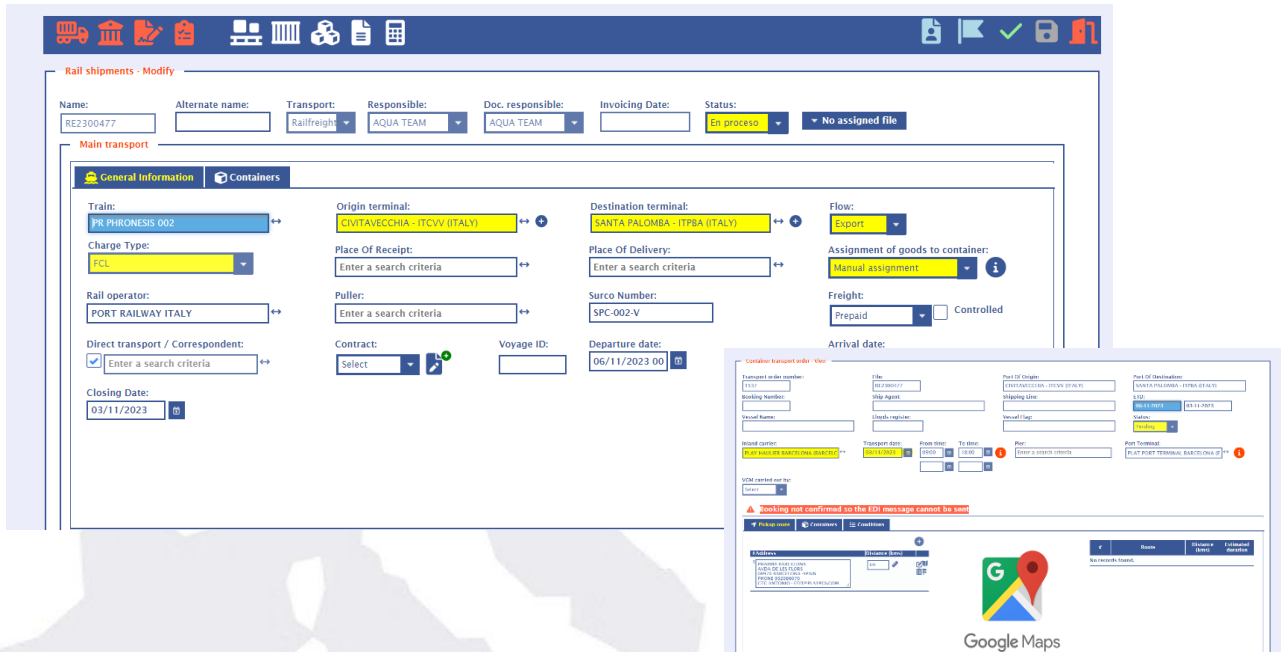
Handling Procedures: Understand cargo handling documentation procedures at airports, including loading and unloading, storage, and security checks. Learn how to ensure the safe and efficient movement of cargo through airports.

Rail Transport Module:

Rail transport is a vital component of intermodal logistics. This module concentrates on rail route planning, cargo management, and rail infrastructure, providing a comprehensive overview of this mode.

Rail Transport Module focuses on the role of rail transport in intermodal logistics, covering essential operations and procedures. Here are the key components:

Rail Route Planning: Understand how route optimization and coordination with other modes of transport enhance the intermodal supply chain.

Cargo Management: Study the management of cargo in rail transport, cargo security, and handling of various cargo types. Learn about the principles of load distribution and weight limits for safe and efficient rail transportation.

CIM Document Emission: Learn about the issuance of the CIM (Convention Concerning International Carriage by Rail) document, a key document in international rail transport. Understand how to accurately complete and manage CIM documents for cross-border rail transport.

Cargo Document Emission: Study the issuance of cargo documents in rail transport, including waybills and consignment notes. Learn how to complete, manage, and verify cargo documents for accurate and efficient rail transport operations.

Intermodal Integration: Understand how rail transport integrates with other modes of transportation, such as road, sea, and air, to create a seamless intermodal supply chain. Explore the coordination required for the smooth flow of cargo between different transport modes.

Rail Case Studies: Analyze real-world case studies in rail transport to gain practical insights into successful rail logistics strategies.

Other Modules available:

Commercial Module: Crafting and Simulating Commercial Offers

This module focuses on the critical aspects of the commercial side of intermodal transport. Students learn how to create, present, and simulate commercial offers effectively.

BOMB Module: Enhancing Training with Real-Life Incidents

The BOMB Module, introduced by Click and Cargo, revolutionizes training by incorporating real-life incidents into case studies. This module is seamlessly managed by instructors through the Click and Cargo platform, providing an engaging and dynamic learning experience for participants.

Key Features and Benefits of the BOMB Module:

Real-Life Scenarios: The BOMB Module introduces real-life incidents and scenarios, offering a practical perspective to training. Participants can immerse themselves in situations that mirror actual industry challenges.

Decision-Making Skills: This module is designed to enhance participants' decision-making skills. By facing real-life incidents in a controlled environment, learners can develop the ability to make critical decisions and solve problems effectively.

Safe and Controlled Environment: BOMB provides a safe and controlled environment for participants to experiment with various approaches and solutions without real-world consequences. It encourages active learning and fosters confidence in handling challenging situations.

Engaging Training: The inclusion of real-life incidents makes training sessions more engaging and dynamic. It helps participants stay focused and motivated while gaining practical experience.

Instructor Management: Instructors have the flexibility to manage the BOMB Module seamlessly through the Click and Cargo platform. They can guide participants, provide insights, and ensure a productive learning experience.

Practical Learning: The BOMB Module allows participants to apply their knowledge and skills in a real-world context, bridging the gap between theory and practical application.

Enhanced Case Studies: The module enriches traditional case studies, making them more impactful and relevant. Participants can draw lessons from real incidents, improving their problem-solving abilities.

With the BOMB Module, training becomes an interactive and immersive experience, enabling participants to learn from real-life incidents and develop crucial decision-making skills. This innovative approach elevates the quality and effectiveness of training in the logistics and intermodal transport industry.

3. CONCLUSIONS

The Academic Module is an invaluable resource that offers a multitude of benefits and practical applications for students and the project's deliverables. One of the most prominent advantages is the comprehensive training it provides. Students not only gain a deep understanding of each transportation mode but also develop a versatile skill set that is highly sought after in the intermodal logistics industry. This versatility allows graduates to excel in various facets of logistics and supply chain management, making them valuable assets to prospective employers.
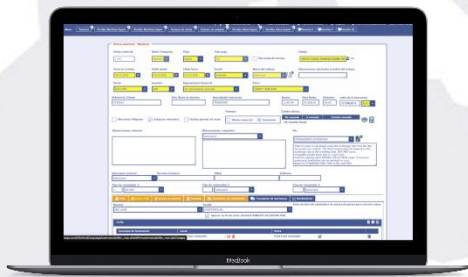
The module's emphasis on understanding documentation is another crucial component. By providing an extensive overview of essential documents used in intermodal transport, such as invoices, bills of lading, and customs documents, students learn how to efficiently manage and process these vital papers. This knowledge is pivotal in ensuring the smooth flow of goods through various transportation modes and across borders, which is integral to the success of any logistics project.

Additionally, the module recognizes the transformative power of digitalization in the intermodal transport industry. By placing a strong emphasis on the role of technology and digital systems in supply chain and logistics management, students are prepared to navigate the rapidly evolving landscape of the industry. They become adept at leveraging digital tools for enhanced efficiency, transparency, and real-time decision-making.

Furthermore, the inclusion of simulation spaces in the module provides students with a unique opportunity to apply their knowledge and skills in a practical and risk-free environment. These spaces allow students to engage with real-world scenarios, fostering the development of problem-solving and decision-making skills. This practical experience is invaluable in preparing students for the challenges they may encounter in their future careers.

Upon completion of the Academic Module, graduates emerge as industry-ready professionals with a solid knowledge base, practical skills, and a deep understanding of documentation and digitalization in intermodal transport. Their readiness and competence make them highly attractive to employers, ensuring that the project's deliverables are aligned with industry expectations.

Lastly, the module provides invaluable networking opportunities. By connecting students with industry professionals, it opens doors to potential career opportunities and collaborations. These networking opportunities are instrumental in ensuring that the project's deliverables align with the real-world needs and expectations of the intermodal logistics industry.

In conclusion, the Academic Module offers a wealth of benefits, ranging from comprehensive training and enhanced documentation skills to a deep understanding of digitalization, practical experience, and networking opportunities. These advantages position graduates to make meaningful contributions to the industry, ensuring that the project's deliverables are aligned with the dynamic and evolving field of intermodal logistics.