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ACCESSMILE

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Dear reader, we are proud to invite you reading the fifth newsletter fo the ACCESSMILE "Improving ACCESSibility of last MILE connections of rural and peripheral regions to main TEN-T nodes in Central Europe through ICT" project, co-financed by the **Interreg Central Europe** Programme. Enjoy!

SUMMARY

New videos on Pilot Actions published: Port of Trieste, Baltic Container Terminal, RSOE, Mahart Container Center.
Transport Logistics event in Munich

Enhancing Connectivity: The ACCESSMILE Pilot Action at the Port of Trieste

A newly released pilot action video titled **"PORT OF TRIESTE - ACCESSMILE Pilot Action Video"** showcases how the Port of Trieste is advancing the goals of the ACCESSMILE project. (see video here: https://www.youtube.com/watch?v=TbQil2jM4-o)

What the Pilot Action Entails

The Trieste pilot action features are:

- A streamlined gate process where trucks arrive with pre-registered slots, reducing

- A control room or digital dashboard displaying scheduled arrivals, truck lanes, and exit flows, sign-telling the role of digital data-flows.
- Demonstrations of how cargo bundling works: multiple shipments grouped, processed and routed efficiently to the port's core hub.
- Scenes of collaboration between logistics operators, port authority agents and IT system providers, showcasing the multi-stakeholder nature of the project.

These elements underscore the move from traditional "ad-hoc" port access toward a more coordinated, data-driven model.

Why It Matters – Strategic Impacts

1. Efficiency Gains: By reducing truck waiting times, ramping up scheduling accuracy and limiting gate congestion, operational throughput improves. For a major node like Trieste, which connects to Central and Eastern Europe, this adds value for carriers and shippers alike.

2. Territorial Integration: The last-mile connection challenge is particularly acute for rural or peripheral regions — regions which might be hundreds of kilometres from core transport corridors. ACCESSMILE's interventions help integrate these zones into the broader freight network, reducing modal fragmentation.

3. Digitalisation & Interoperability: The shift to digital Vehicle Booking Systems, gates with automated pre-exit notification, and cross-system data exchange reflects the "smart port" evolution — an area of growing interest across Europe. It positions the Port of Trieste as a showcase for innovative freight mobility practices.

4. Environmental & Societal Benefits: Reduced downtime at port gates means less idling, lower emissions, less truck-traffic spill-over into urban surroundings. Also, by improving hinterland connectivity, more freight might move by rail or combined-modes, which have environmental upsides.

Challenges & Considerations

- **System Integration:** Legacy logistics systems and varying IT platforms among cooperating stakeholders (port authority, trucking firms, customs, terminals) can complicate interoperability.
- **Change Management:** Drivers, trucking firms and terminal staff must adapt to slot-booking, digital check-ins and schedule discipline — behaviour change is non-trivial.
- **Data Governance & Security:** With digitalisation comes the question of who holds

- **Scalability:** What works in a pilot may face new constraints when scaled (higher volume, more users, other ports). Lessons learned at Trieste will matter for replication.

Conclusion

For logistics professionals, policy-makers and infrastructure operators, this initiative offers a blueprint for how to upgrade last-mile access in the European freight network — making operations smarter, more efficient, and more sustainable. As the next phase of ACCESSMILE, the Port of Trieste's experience will serve as a valuable reference point.

Source: https://www.youtube.com/watch?v=TbQil2jM4-o

Pilot Action at the BCT Container Terminal in Gdynia

Introduction

The video (https://www.youtube.com/watch?v=yUtSBHSPHhs&t=20s) documents the installation of axle weighing platforms at the exit gates of the **Baltic Container Terminal (BCT)** in Gdynia, Poland.

The purpose of the installation is to improve vehicle weight control at the terminal's exit, increase operational efficiency, and ensure compliance with current transport regulations.

Within the Gdynia terminal the adoption of automated weighing systems at the exit gate is strategically important. The main objectives of the installation are to:

- ensure that vehicles leaving the terminal comply with axle and total weight limits;
- reduce waiting times at the gate through faster and more reliable systems;
- enhance operational safety by preventing overloads that could damage infrastructure or compromise vehicle stability;
- contribute to a more sustainable and controlled land transport process, in line with European directives.

The weighing platforms are positioned at the terminal's exit gates. Vehicles pass over the sensors as they leave, and the system automatically records the axle weight. The data is integrated into the terminal's gate process, allowing staff to receive real-time weight readings.

The equipment includes:

- load cells embedded into the pavement platforms;
- data acquisition and real-time display software;
- an interface with the terminal's logistics system to record the weight information.

Expected Benefits

The installation of axle scales offers several key advantages:

- **Operational efficiency** – automated measurement reduces gate processing times and administrative workload.
- **Risk reduction** – axle-weight monitoring prevents accidents and infrastructure damage caused by overloaded vehicles.
- **Regulatory compliance** – ensures adherence to national and EU weight and load standards for heavy transport.
- **Sustainability** – improved load control and planning reduce inefficiencies and indirect transport costs.
- **Service quality** – modern, integrated systems enhance the terminal's reliability and attractiveness to clients and logistics partners.

Conclusion

The installation of axle weighing platforms at the **Baltic Container Terminal in Gdynia**

through Interreg, the project demonstrates how logistics and transport operations can evolve toward more **sustainable, compliant, and high-performing models**.
It stands as a practical example of how port infrastructure can address today's challenges — growing traffic, operational complexity, and environmental standards — through **targeted, innovation-driven investment**.

Source: Baltic Container Terminal

Enhancing Port Efficiency through Innovation: The RSOE Pilot Action

Hungarian Partnership and Pilot Implementation

In Hungary, the **MAHART Container Center** and **RSOE (National Association of Radio Distress-Signalling and Infocommunications)** serve as key project partners. Within the framework of ACCESSMILE, RSOE has implemented a **pilot project** designed to enhance the management of truck entry and exit processes at **Danube ports** (see video at: https://www.youtube.com/watch?v=-9pvQRDXY6Y).

Traditionally, trucks arriving at port facilities often face significant waiting times outside the port area before being allowed to enter for loading or unloading. The new system developed under ACCESSMILE aims to **streamline this process**, reducing congestion and improving the flow of goods.

What the Pilot Action Entails

The RSOE pilot introduces several new digital functions into the existing **KIR National**

movements. The process operates as follows:

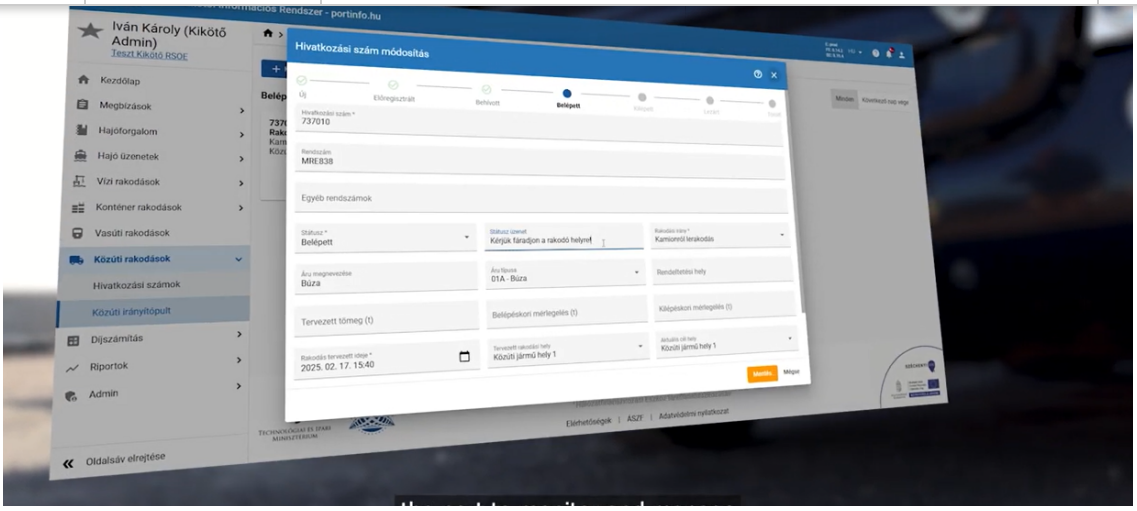
1. **Reference Generation:** The port generates a unique reference number for each truck and sends it to the driver.
2. **Pre-Registration:** Upon approaching the port, the truck driver pre-registers using the **AccessMile KIR mobile application**. Pre-registration is only possible within a defined distance from the port entrance, set by the port operator.
3. **Invitation to Enter:** Once the truck has pre-registered, the port dispatcher reviews the request and sends an **invitation to enter**.
4. **Arrival and Approval:** The driver receives the invitation and proceeds to the entrance gate. The dispatcher then approves the truck's entry.
5. **Port Entry and Tracking:** As the truck enters, its status in the system automatically changes from *invited* to *entered*.

The enhanced KIR system provides a **truck management dashboard** that enables port operators to monitor and control all vehicle movements—both inside and outside the port area—in real time.

Once inside, the mobile application offers **interactive map guidance**, helping drivers navigate efficiently to their designated loading or unloading points. Upon exit, the truck's status is updated once again in the KIR system, ensuring complete traceability of movements within the port's operational cycle.

Expected Benefits

The pilot represents a significant step forward in **digitalizing port logistics**. By automating the entry and exit workflow and enabling real-time communication between ports and truck drivers, the system **reduces waiting times**, **optimizes resource utilization**, and **enhances overall port accessibility**.



Source: https://www.youtube.com/watch?v=-9pvQRDXY6Y

Enhancing Hinterland Connectivity: MAHART Container Center's ACCESSMILE Pilot Action

Introduction

The video (https://www.youtube.com/watch?v=mVlbsWPmUnM&t=189s) showcases the launch of the pilot action under the ACCESSMILE programme at Hungary's MAHART Container Center (MCC). The initiative addresses the critical "last mile" connectivity challenge for freight logistics — namely, streamlining transport from peripheral or inland regions to major maritime nodes.

What the Pilot Action Entails

Strategic Significance

Operational Efficiency

By scheduling arrivals and leveraging real-time tracking, MAHART's pilot action demonstrates lower waiting times, faster gate turn-around and improved throughput. This efficiency is especially significant for inland container terminals acting as nodes connecting hinterland to maritime flows.

Regional Integration

The ACCESSMILE programme specifically targets the challenge of linking rural or less accessible regions to the core of the TEN-T Network. By focusing on inland terminals like MCC, the pilot acts as a hub that enables effective regional integration, helping freight move smoothly from peripheral areas to major ports.

The implementation shows the shift from manual, ad-hoc truck arrivals to a data-driven, scheduled system. This digital transformation underscores the move toward “smart logistics”, where gate operations, scheduling and loading/unloading are synchronised across stakeholders.

Sustainability and Competitiveness

Faster, more predictable processes reduce truck idling, idle time and thereby emissions. They also increase the competitiveness of inland terminals by reducing logistics cost and environmental footprint. This is beneficial not only for terminal operators but also for shippers, carriers and regional economies.

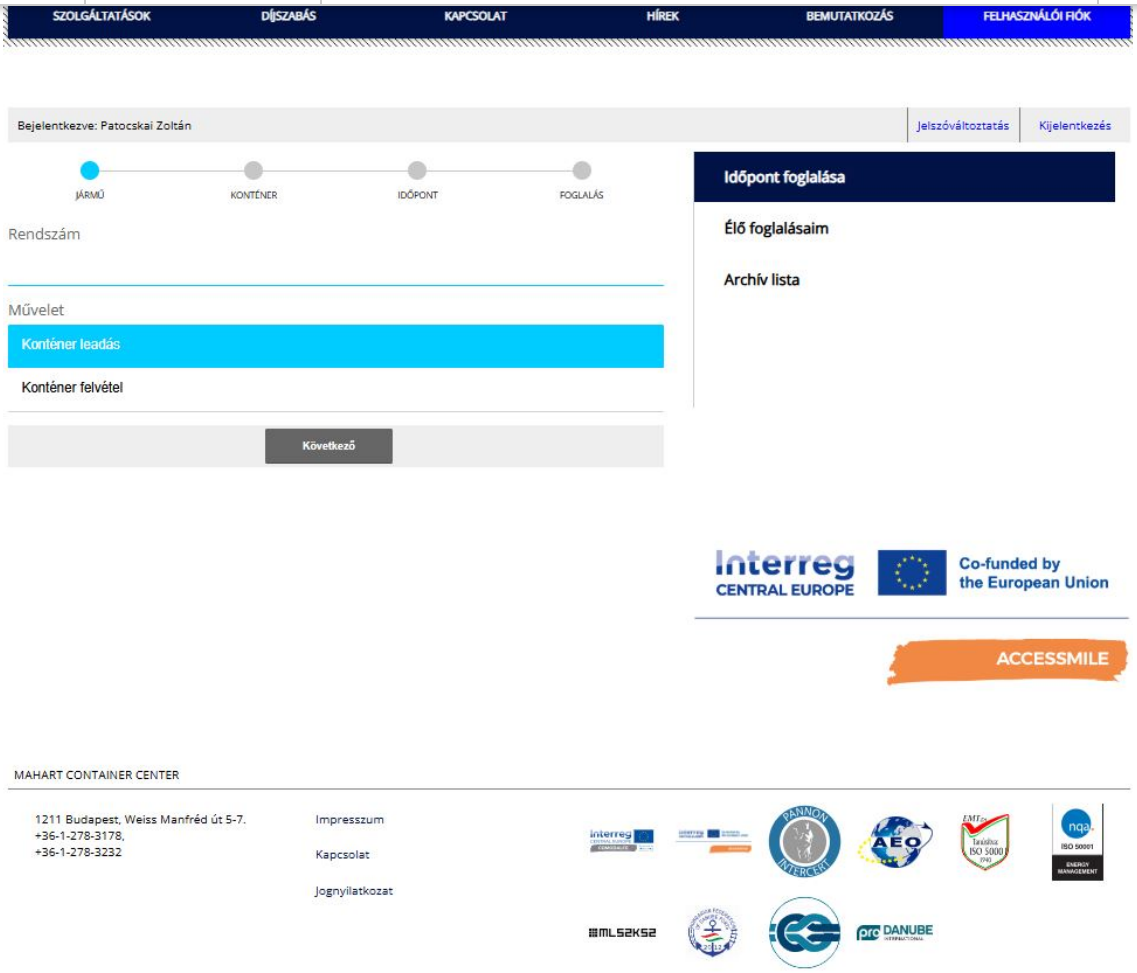
Lessons and Challenges

The pilot at MAHART points to valuable lessons and also raises several considerations:

- **Change-Management**: Adopting new systems requires training and adaptation on the part of drivers, trucking firms, terminal staff and rail-operators.
- **Interoperability**: While digital systems improve efficiency, they must integrate across legacy platforms and multiple stakeholders — a non-trivial technical and organisational task.
- **Scalability**: The success of a pilot begs the question: Can the model be scaled across other inland hubs, and across different countries with varying regulatory, infrastructural and market conditions?
- **Data Governance**: With more digital data flows come issues of ownership, security, privacy and standardisation — particularly in multi-partner settings.

Conclusion

The MAHART Container Center’s pilot action under the ACCESSMILE programme is a strong example of how logistics infrastructure, digital tools and stakeholder cooperation can transform last-mile freight connectivity. By addressing the nexus between inland hubs and ports, the project improves operational efficiency, regional integration and sustainability in freight transport. As such, it offers a meaningful blueprint for inland terminal modernization and hinterland-port linkage in Europe.



Source: Mahart Container Center

MERIDIAN Multimodal workshop at Munich Transport Logistics Fair

The Port System Authority of the Eastern Ligurian Sea hosted a dynamic workshop on multimodal logistics during the Transport & Logistics Fair in Munich, bringing together key stakeholders from across the European transport sector. The event, held at Halle B2 stand 317-418, was part of the broader initiative to enhance sustainable, digital, and integrated logistics solutions through the MERIDIAN project.

The workshop began with a warm welcome by the Special Commissioner of the port of La Spezia, followed by an opening address from the Port System Authority of the Central-North Adriatic Sea, head of MERIDIAN Multimodal activities. The introductory session outlined the objectives of the capitalization workshop series, which includes evaluating and monitoring activities tied to three additional past workshops.

The ACCESSMILE project was prominently featured during both expert panels.

light on the transformative potential of smart monitoring systems within port areas.

ACCESSMILE partners gave their updates:

- Port of Trieste's "Trucks in-Trucks out" initiative emphasized intelligent monitoring solutions for port entry and exit operations.

- The La Spezia-S. Stefano Magra corridor drew special attention with its innovative last-mile IT monitoring system, directly reflecting the goals of the ACCESSMILE project by enhancing interoperability between maritime and inland transport hubs.

- Consorzio ZAI-Verona freight village explored synergies between Safe and Secure Truck Parking Areas (SSTPA) and rail transport, presenting a model of modal integration central to ACCESSMILE's vision.

Panel 2 – Environmental Benefits of Digitalization in the Logistics Supply Chain – focused on the environmental and operational advantages of digital transformation. Within this panel, GRUBER Logistics introduced smart solutions tailored for the digital integration of small carriers, further reinforcing ACCESSMILE's inclusive approach to innovation.

This event underscored how ACCESSMILE is not just a project, but a catalyst for digital and environmental transformation across European multimodal logistics networks.

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- Youtube: https://www.youtube.com/@ACCESSMILE

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