# **INNOVATION PITCH**

### 6 OCTOBRE 2022







# Smart Track 4 Waterway

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PROPERTY AND PROPERTY.



# Wallonia.be

EXPORT INVESTMENT



# Smart Track 4 Waterway

Modal shift to waterway fostered by hierarchical tracking



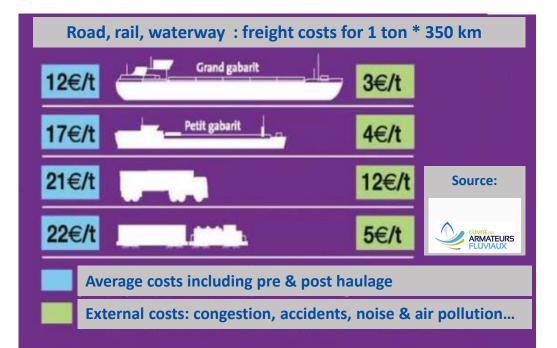


#### **An European consortium**



## Main advantages of inland waterway transport

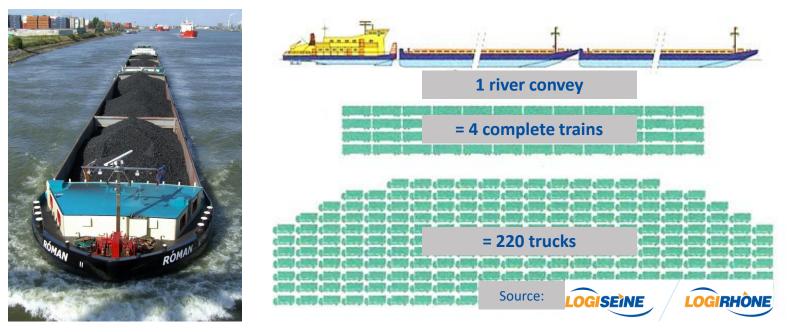
- Cost effectiveness
- 3 times less CO2 than road
- Navigational safety
- Reliability of timelines
- Easy to enter urban areas





#### **Initial observations**

#### IWT predominantly used by large companies for bulk & big volumes



➤Used to a small extend by SMEs

>Used to a very small extend for palletized freight

#### Pallets take the boat !

#### Palletized freight is generally carried by road:

- In small volumes
- Directly from point A to point B

#### Main impediments to modal shift from road to waterway:

- Additional transhipment operations
- Adapted vehicles and infrastructures for pallet handling
- Bundling of several small volumes
- More complex logistics engineering
- More administrative burden





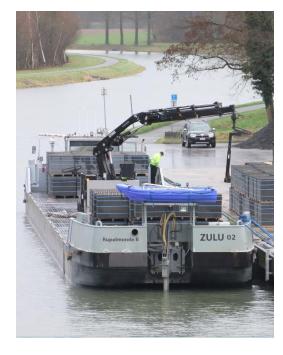
ST4W develops and tests a collaborative software platform that improves the performance of multimodal transport by providing end to end seamless visibility.

Focus:

- Complex multimodal logistics operations
- Individual logistics units (pallets, big bags, containers, ...)
- SMEs

### **Turnkey solution**

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ST4W tool

Infrastructures

+

TMS

+

## **Technological breakthrough**

Hierarchical tracking data exchange platform

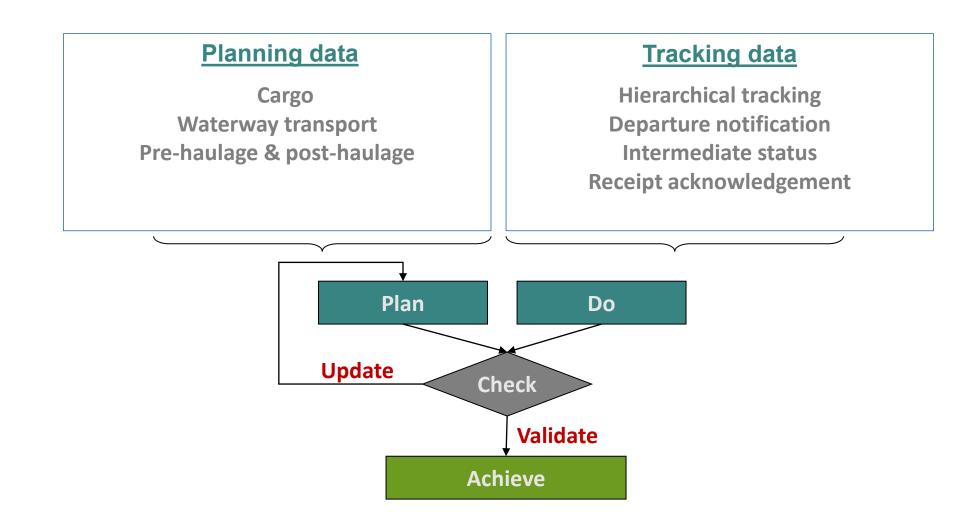
Two technological enablers:

- 1. Linking tracking data from fragmented sources
- vessels & trucks geo-localization
- last known location of logistics units (pallets, big-bags, ...)

#### 2. Sharing standardized & secure information (GS1)

- where everyone is master of his own data
- and shares it only with chosen partners

#### **Real-time synchronization between actors**



## **Belgium**

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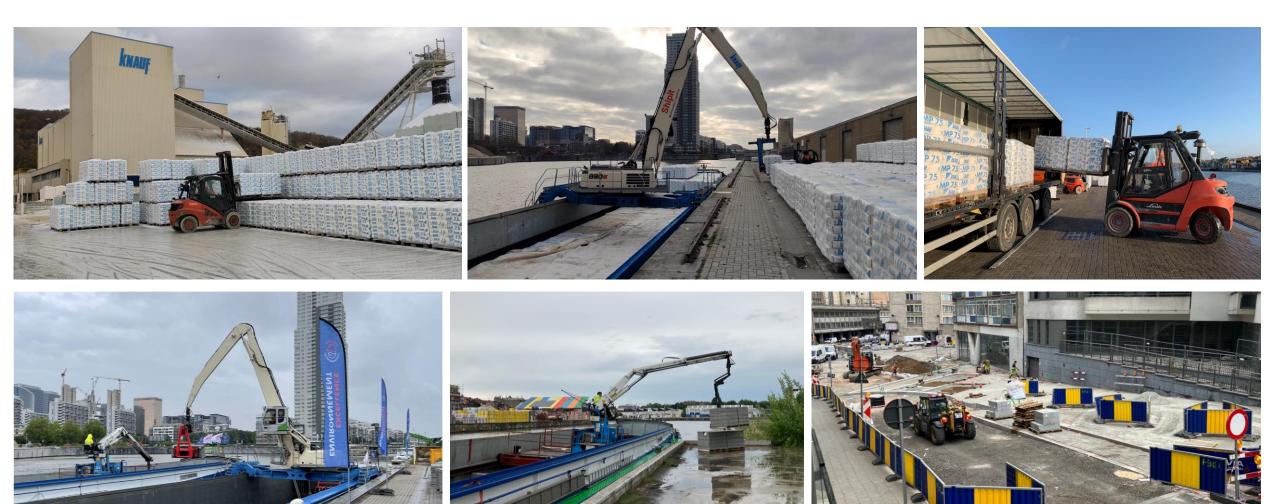
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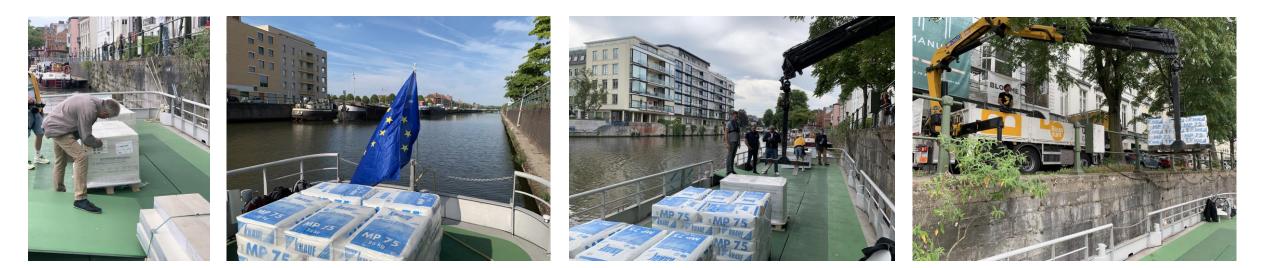


Belgium



Belgium





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