

COREALIS Port of Antwerp Demo/Training Webinar Port of Antwerp Living Lab

Nico De Cauwer – Port of Antwerp November 10th 2020



2nd European port 14th port worldwide



Belgium's biggest economic driver

235
Million tonnes
of freight

12,068 hectares

15
million TEU capacity

143,058 jobs

900 companies

4.8%
GDP

20.3
billion € added value



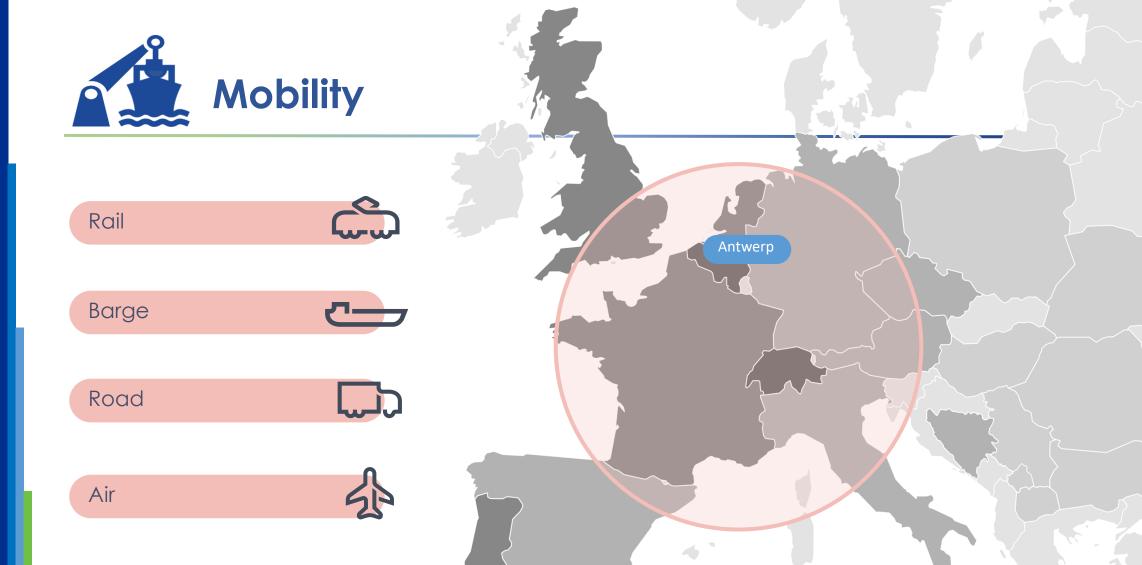














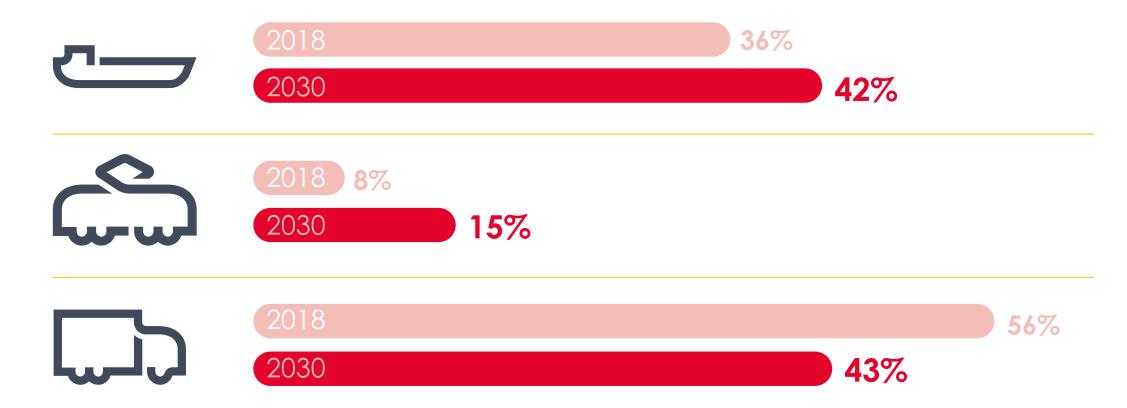




Mobility: freight transport (containers)



Ambitious modal shift targets 2030: more rail and inland shipping



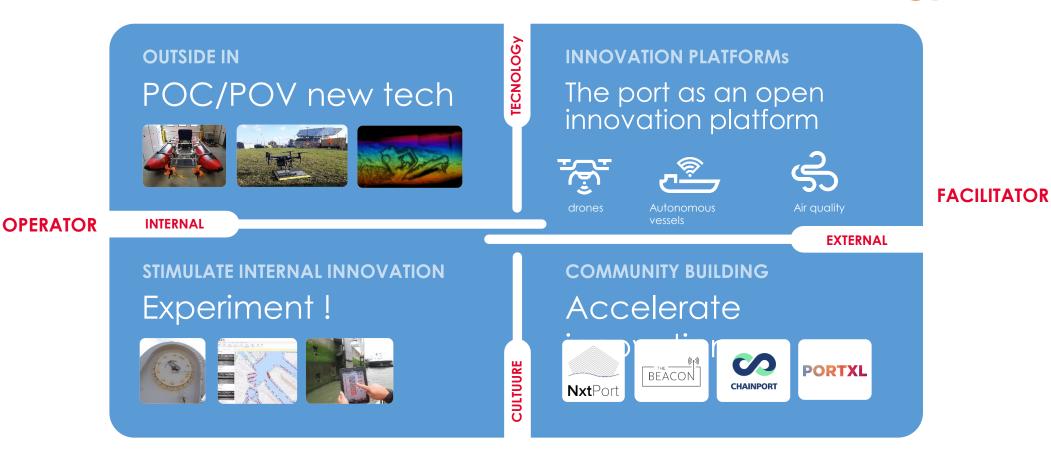




Digital Transition – Our innovation strategy



Innovation is a match between culture and technology











Living Lab - Contribution to COREALIS goals



COREALIS objectives

- O1. Embrace circular economy models in its port strategy and operations.
- **O2.** Reduce the port's total environmental footprint associated with intermodal connections and the surrounding urban environment for three major transport modes, road/truck, rail and inland waterways.
- O3. Improve operational efficiency, optimise yard capacity and streamline cargo flows without additional infrastructural investments.
- **O4.** Enable the port to take informed medium-term and long-term strategic decisions and become an innovation hub of the local urban space.



Cloud Brokerage platform (Marketplace)



Cargo Flow Optimiser







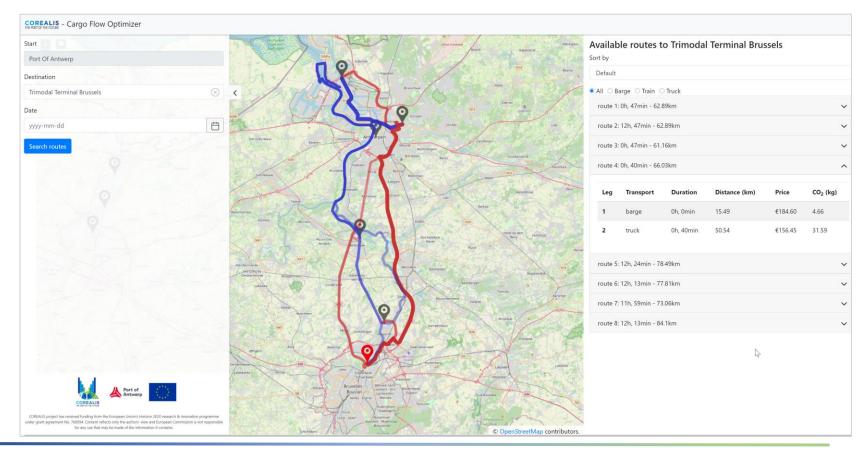
Functionalities:

- Selection (terminal-)destinations in Europe
- (Optional) date of transport selection
- Transport mode filtering
- Sorting by CO2 emissions, distance, duration or price

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- Multiple routes by multiple transport modes
- Cost simulation
- CO2 emissions prediction
- Duration calculation
- Distance measuring

Cargo Flow Optimiser - Multimodal Inland Planner









Objectives:

- Improve modal split towards rail and barge
- Reduce the dwell time of containers in the port





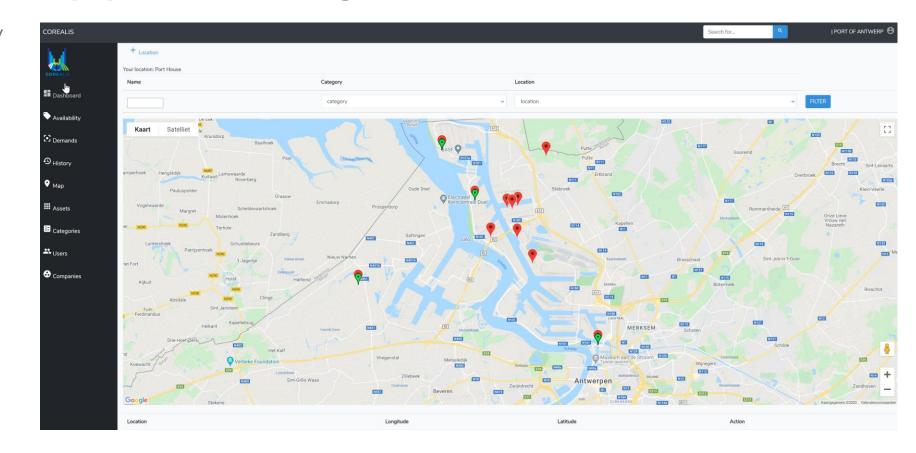




Functionalities:

- Equipment availability
- Equipment demand
- History
- Equipment location
- Asset management
- Categories
- User management
- Company management

Equipment Brokerage Platform









Objectives:

- Proper use of port equipment = low idle time
- Booking of equipment
 between terminals =
 no unnecessary
 investments









www.corealis.eu



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COREALIS EU Project



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THANK YOU FOR YOUR ATTENTION

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