

Ports and Rail Transport

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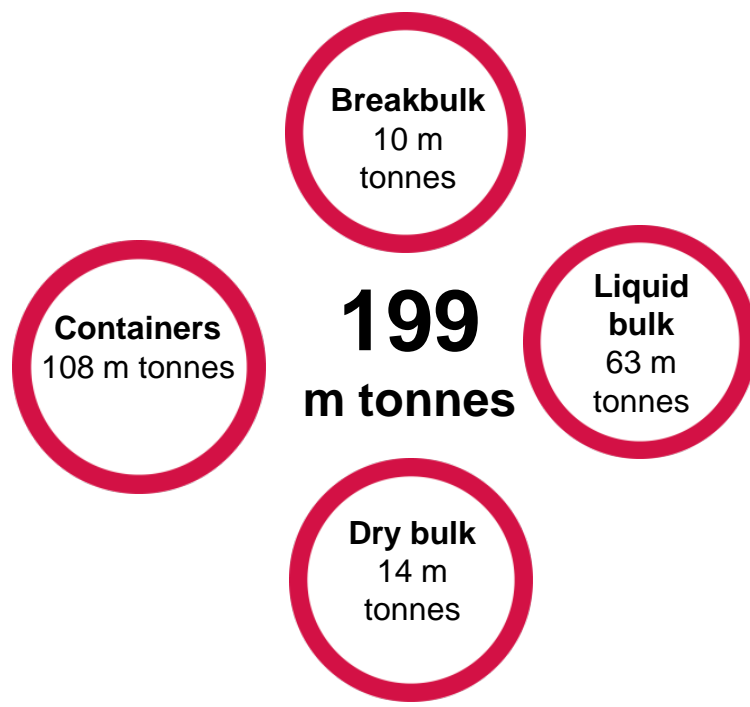
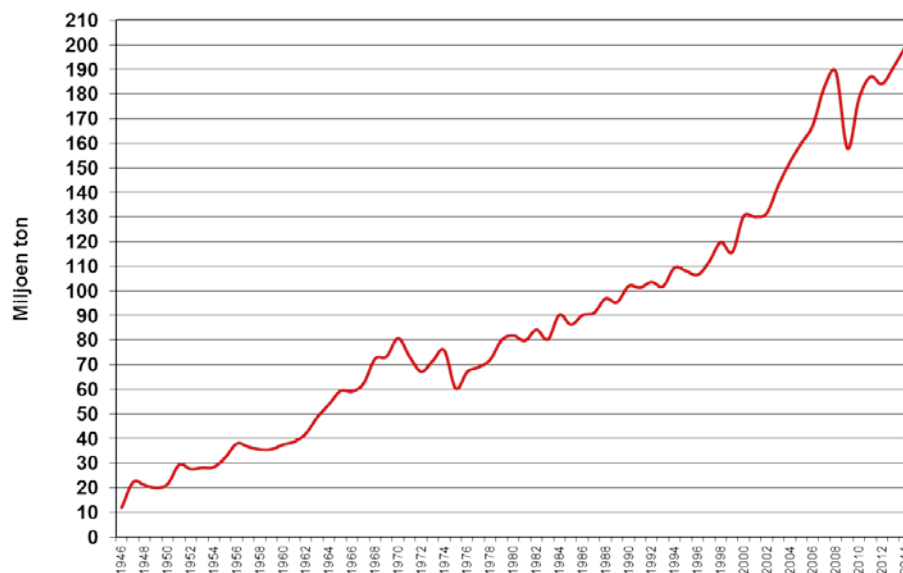
Facts and figures Port of Antwerp



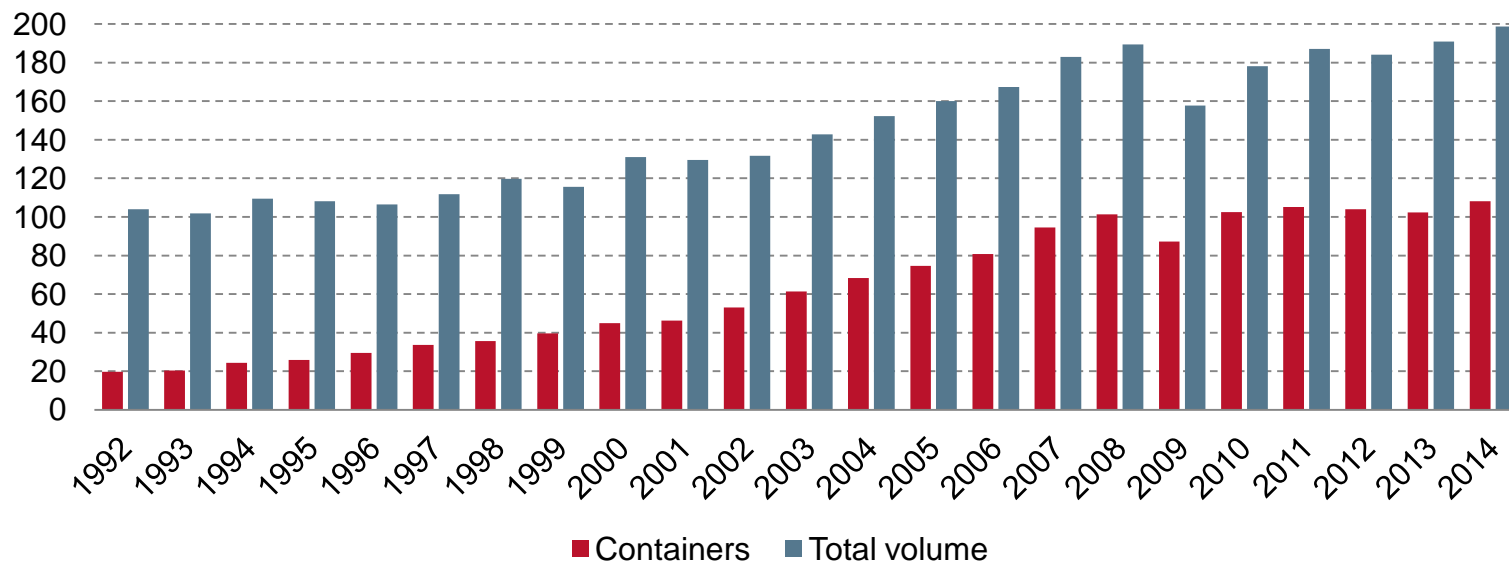
2nd European seaport

1. Rotterdam
- 2. Antwerp**
3. Hamburg

Maritime cargo turnover 1946-2014



Maritime traffic (million tonnes)



Containers (tonnes):

2014: +5,6 %
2015 Q1: +8,5%

Containers (TEU):

2014: +4,5 % (8,96 mio)
2015 Q1: +9,5%

Containers:

Market leader
in 5 out of 6 tradelanes

Rail freight Importance

2014: 18 million tonnes (net)

> 1000 km tracks in the port

26 rail sidings

Each terminal has a rail connection

8 terminals for Intermodal Transports

Marshalling Yard Antwerp North

Shunting capacity of 4.000 wagons/day

Approx. 250 trains a day

Almost 50 % of all Belgian rail in- and export has origin or destination Antwerp



Rail traffic in the Port of Antwerp



- ✓ Central node in the Trans European Rail network
- ✓ 18 million tons handled annually
- ✓ 13 rail European rail companies offering services
- ✓ Over 200 container rail services per week to 70 destinations in 19 countries.

All container rail services can be consulted on the Port of Antwerp Connectivity Platform:

<http://www.portofantwerp.com/en/connectivity>

Ports are faced with 3 major challenges...



Logistic chains

Upscaling

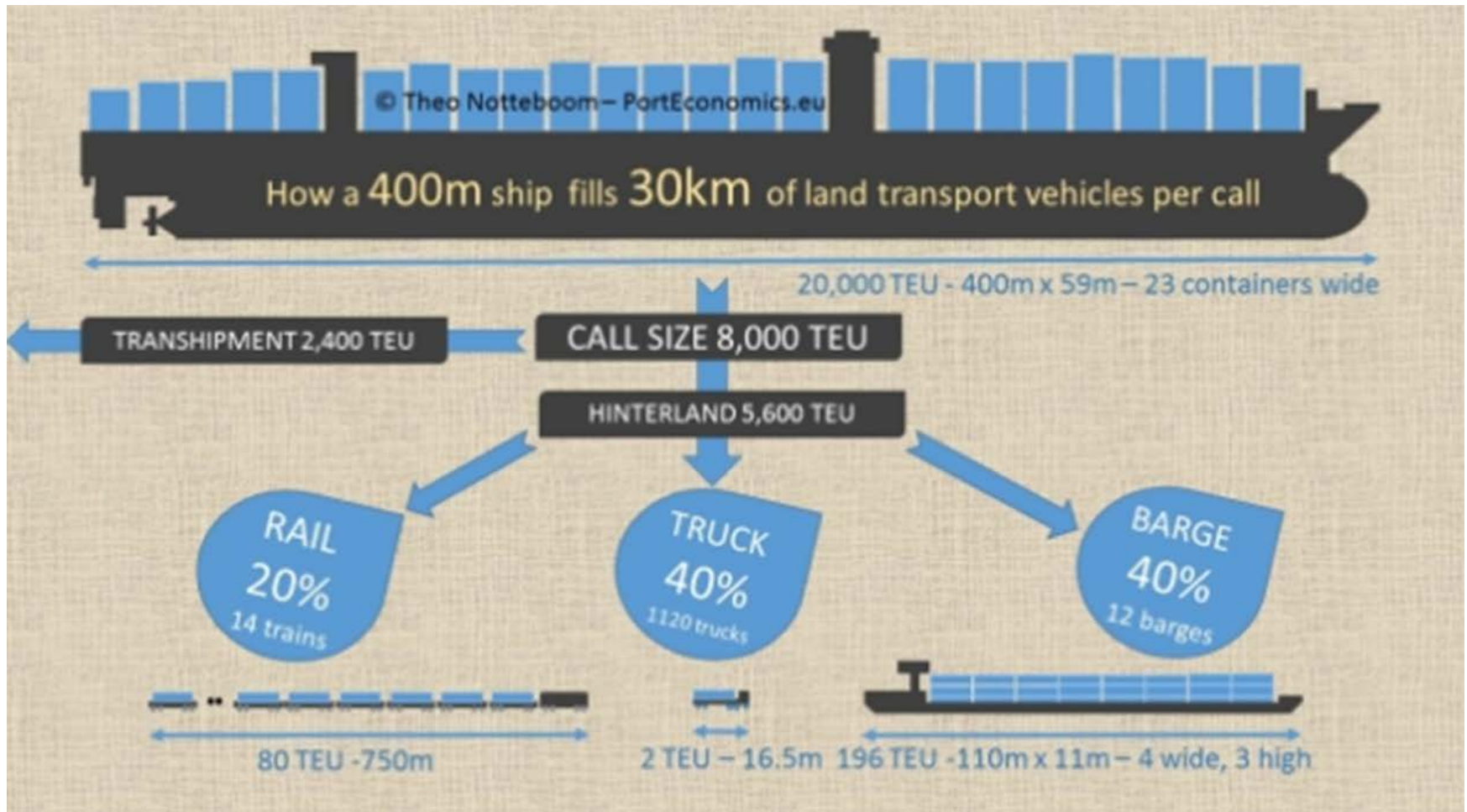
Sustainability

A seaport is more than a transit hub

- A seaport is partner in the total logistic chain
- Competition with other ports is about logistics and transport networks
- Customer wants a total supply chain solution



Bigger ships, bigger challenges...



ULCC's arrive on a weekly basis in Antwerp



Mv MSC Savona (14.000 TEU)



Mv Cosco Belgium (13.886 TEU)

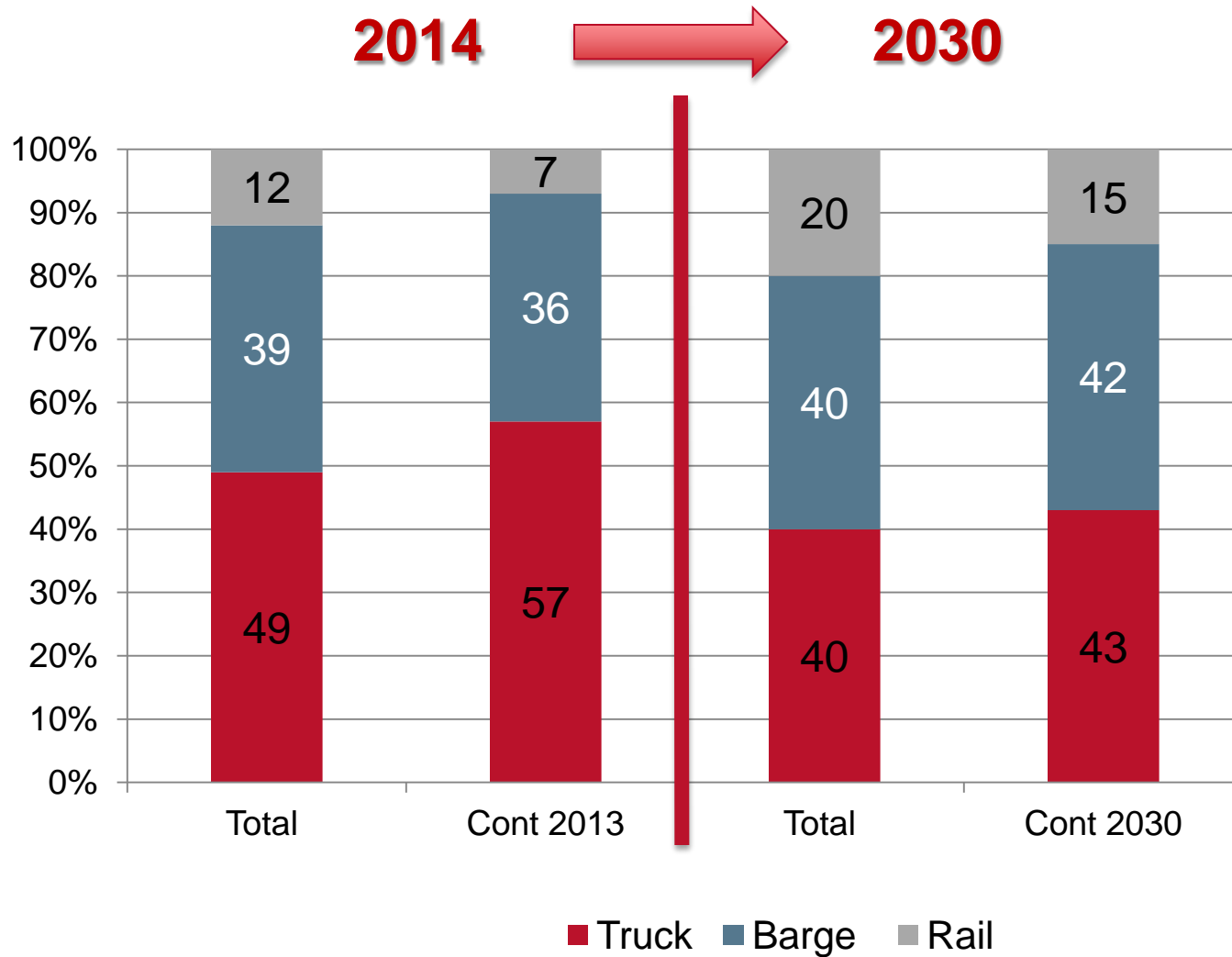


Mv Edith Maersk (15.500 TEU)



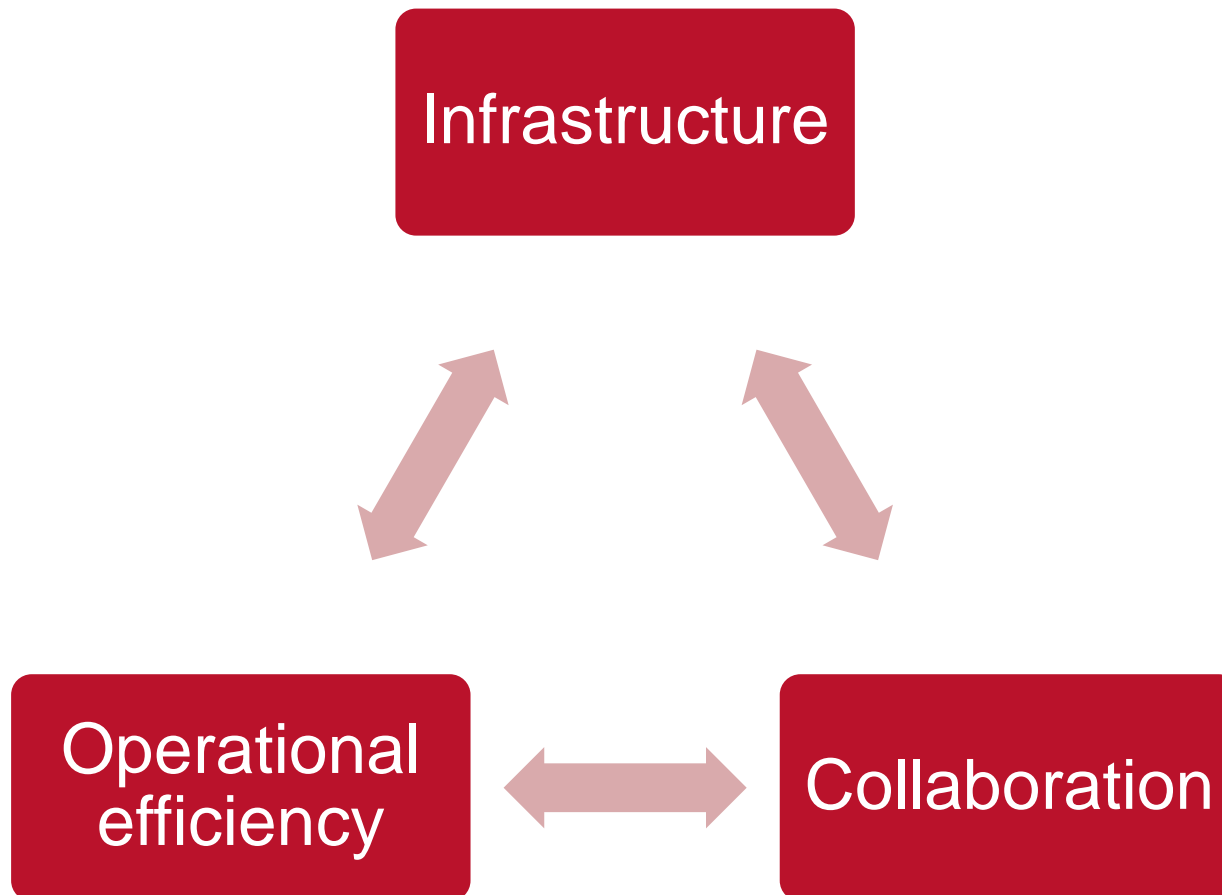
Mary Maersk (18.270 TEU)

Modal split ambition of the Port of Antwerp



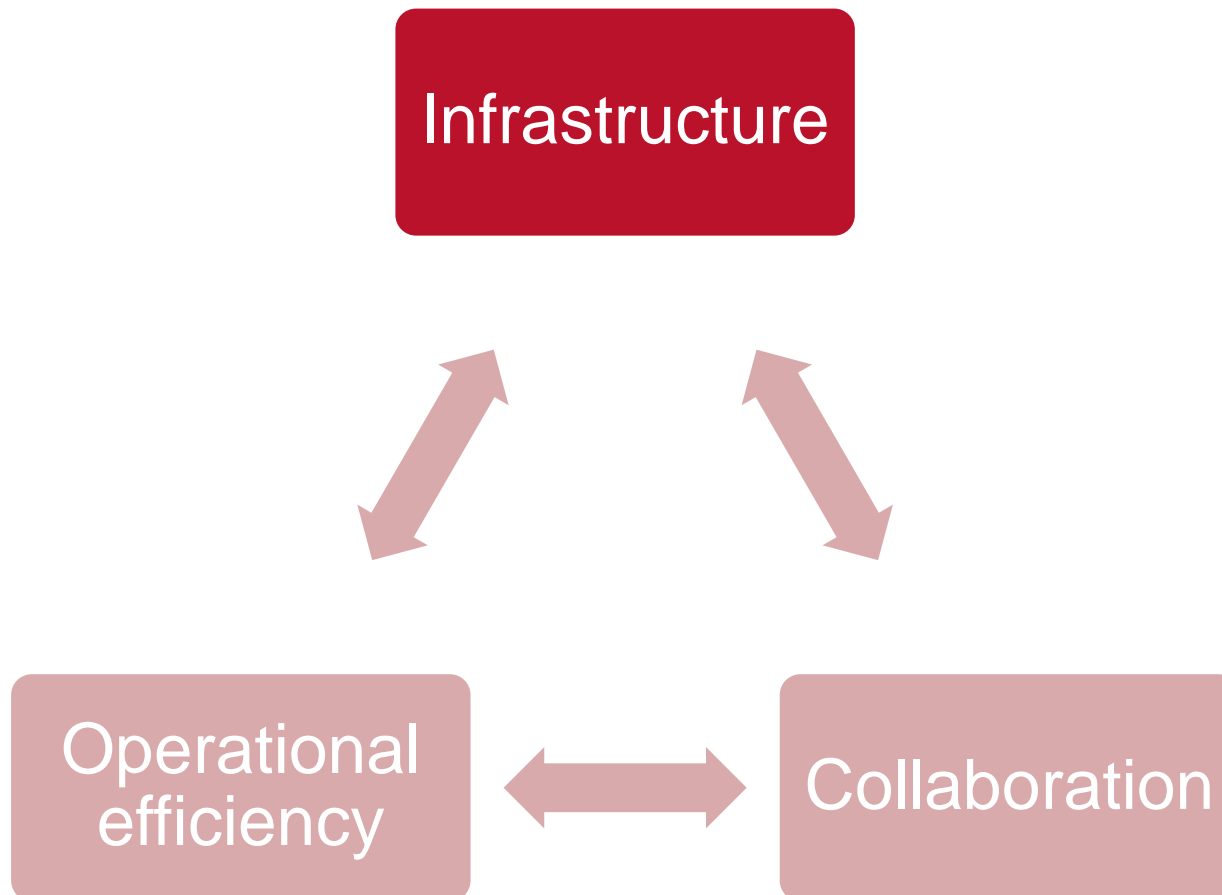
How to reach this projected modal split?

The Port of Antwerp hinterland strategy is based on 3 pillars



How to reach this projected modal split?

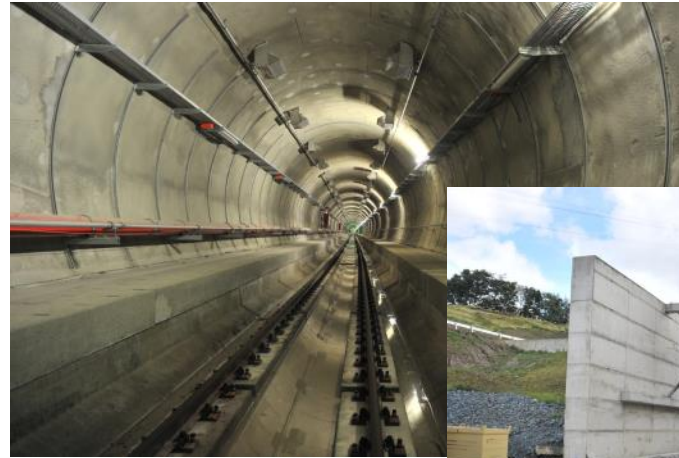
The Port of Antwerp hinterland strategy is based on 3 pillars



Infrastructure investments

Liefkenshoek Rail Tunnel

- New, 16.2 km long connection between left- and right bank
- 2 electrified tracks
- 7.2 km in tunnels
- Investment € 765 million
- Capacity 109 freight trains/direction/day
- Direct, congestion-free route to Germany, France and the Netherlands



Infrastructure investments

Deurganckdok lock

- Second lock on the left bank of the river Schelde
- 500 meter long x 68 meter wide
- Total costs of 340 million euro
- Key infrastructural access to the left bank – Waaslandhaven
- Completion foreseen in 2016



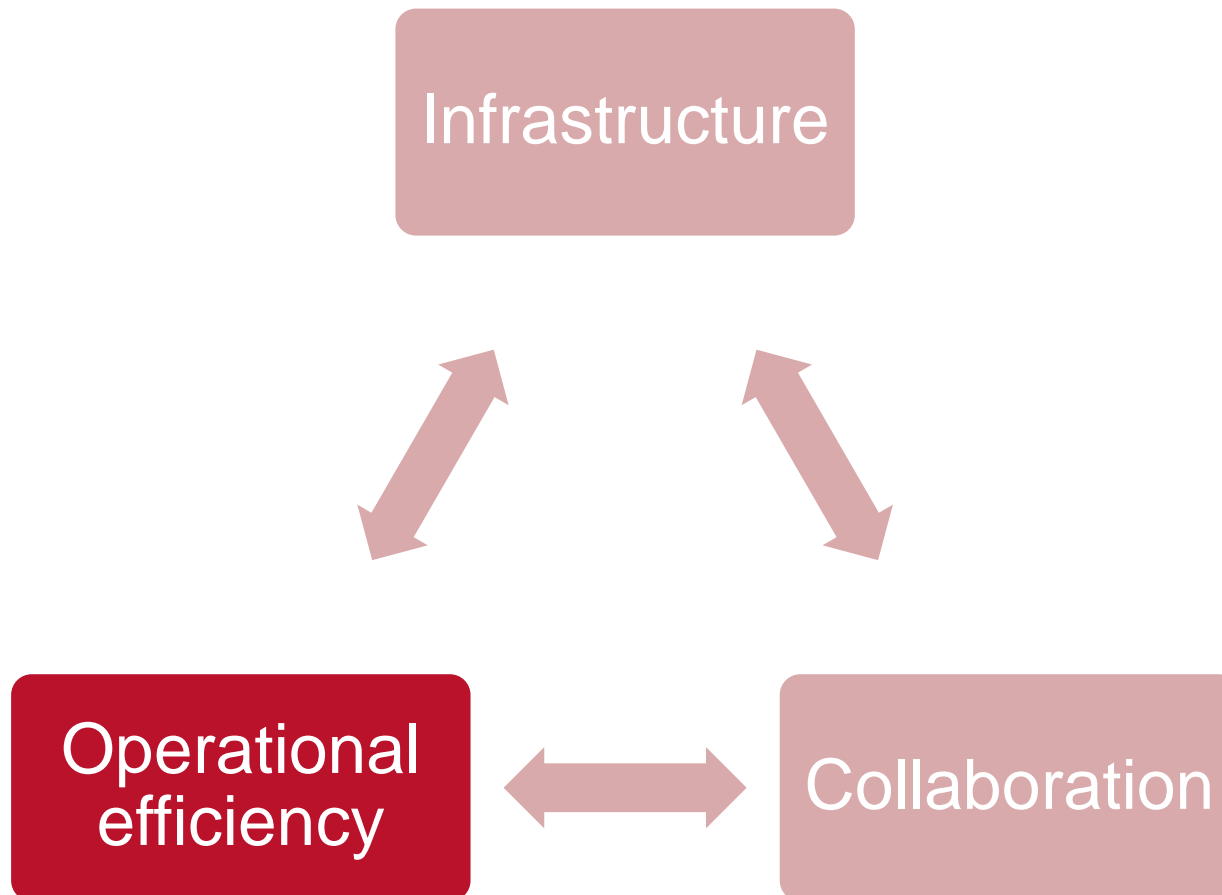
“ It is impossible to stand beside the lock’s massive 28 metre tall concrete walls without being blown away by the scale of it.

Mark Hansford, deputy editor of New Civil Engineering



How to reach this projected modal split?

The Port of Antwerp hinterland strategy is based on 3 pillars



Efficiency - rail

Antwerp Railport

Unique cooperation between port, terminals and industry improving rail in the Port of Antwerp

Joint-stock company established in 2013 by the Port Authority, Belgian federation of chemical industries (Essencia) and the federation of private port companies (Alfaport)

Aim = to support projects and (rail) companies to further **improve the single wagon load network** in the port;



Efficiency - rail

Cooperation with Infrabel

- Set up of cooperation with Infrabel, the Belgian railway infrastructure manager
- Study re alternative traffic management systems aiming at the integration of operational traffic system Infrabel and Port of Antwerp



Efficiency - barge

Instream - 6 barge projects in port of Antwerp



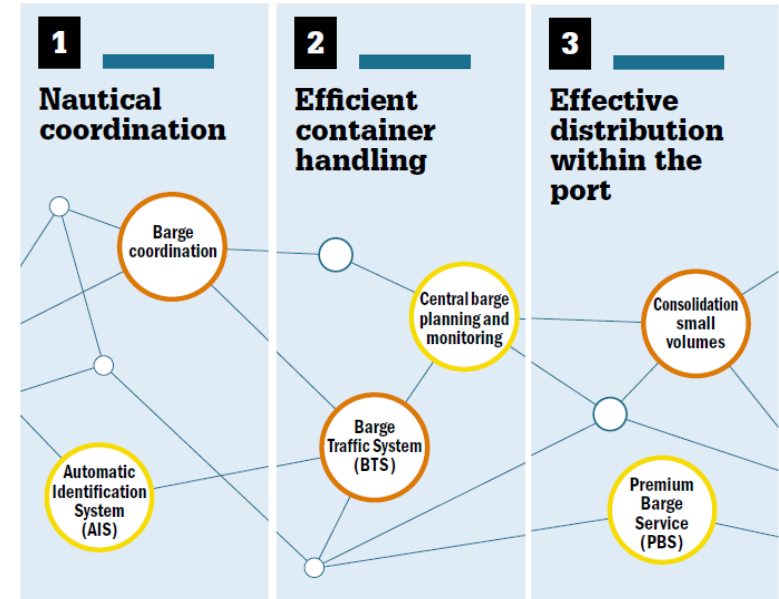
What

- Innovative projects to raise the efficiency of inland navigation & promote the use of this mode
- In close cooperation with the different stakeholders



Advantages

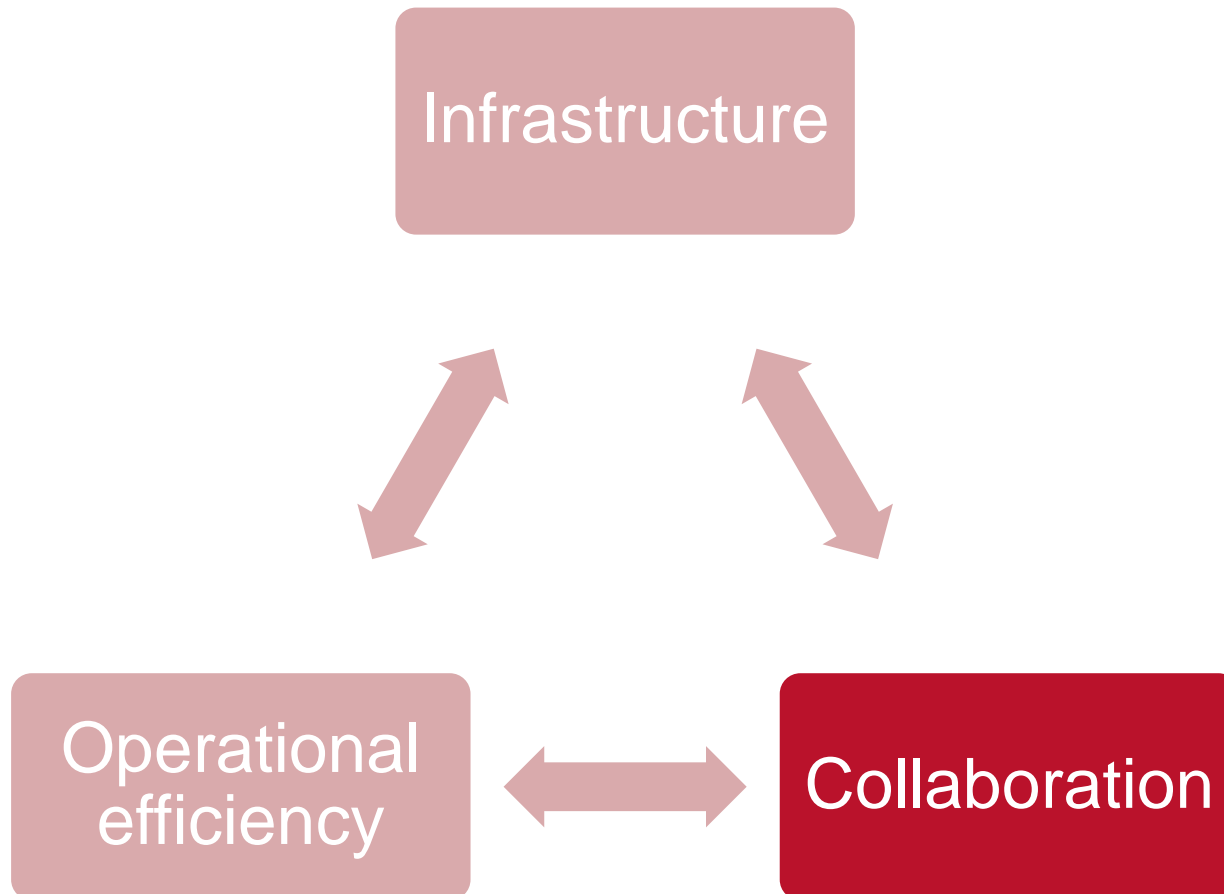
- Efficient container handling in the Port of Antwerp:
 - Short waiting & lead times in the port
 - Realistic, well-coordinated time slots
 - Increased competitiveness & costefficiency
 - Maximum use made of available resources and equipment
 - Rapid and reliable container handling and transit
 - Enhance safety & sustainability



<http://www.portofantwerp.com/en/instream-smart-and-efficient-inland-navigation>

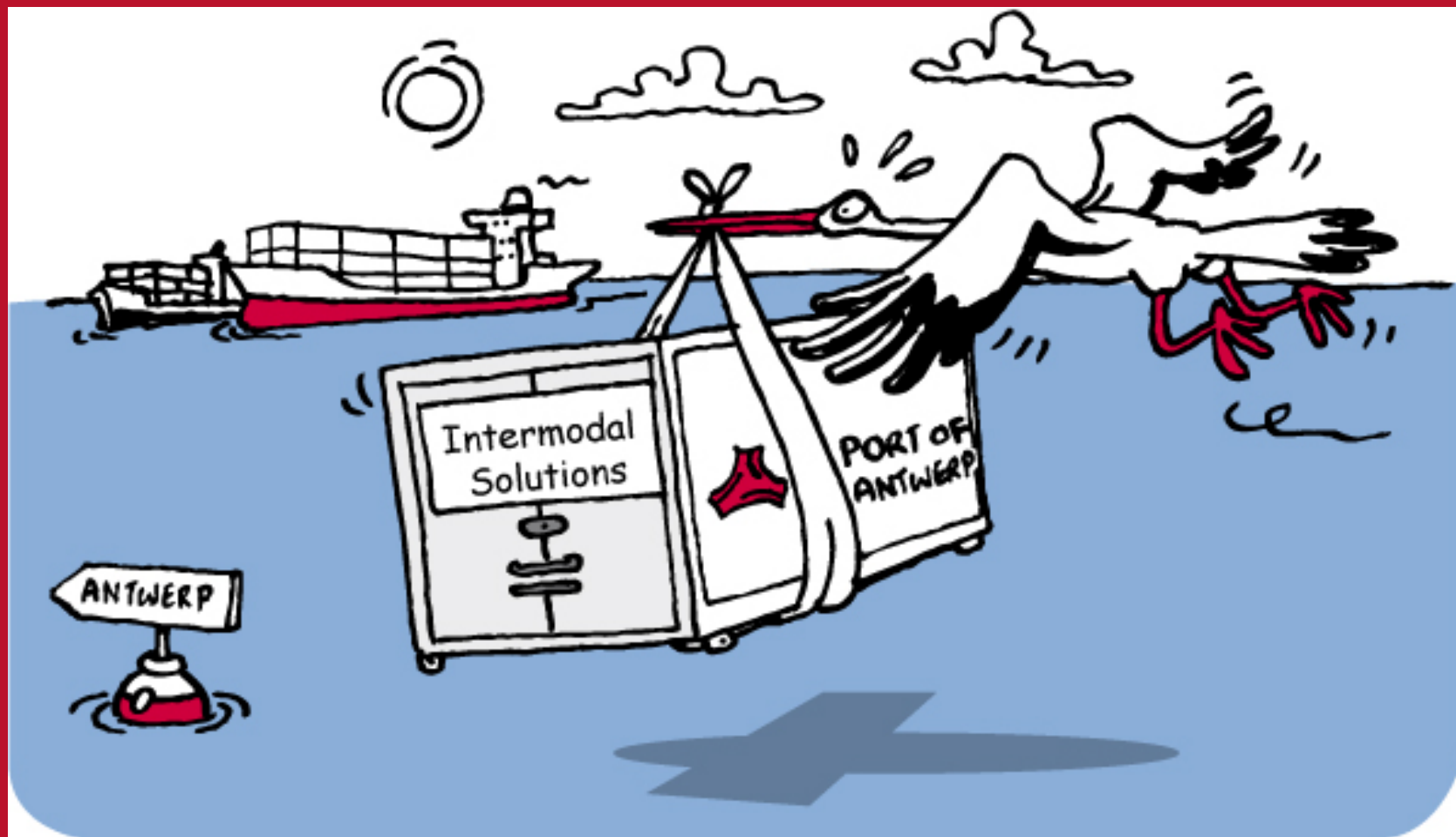
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Intermodal Solutions

"What can we do for you?"

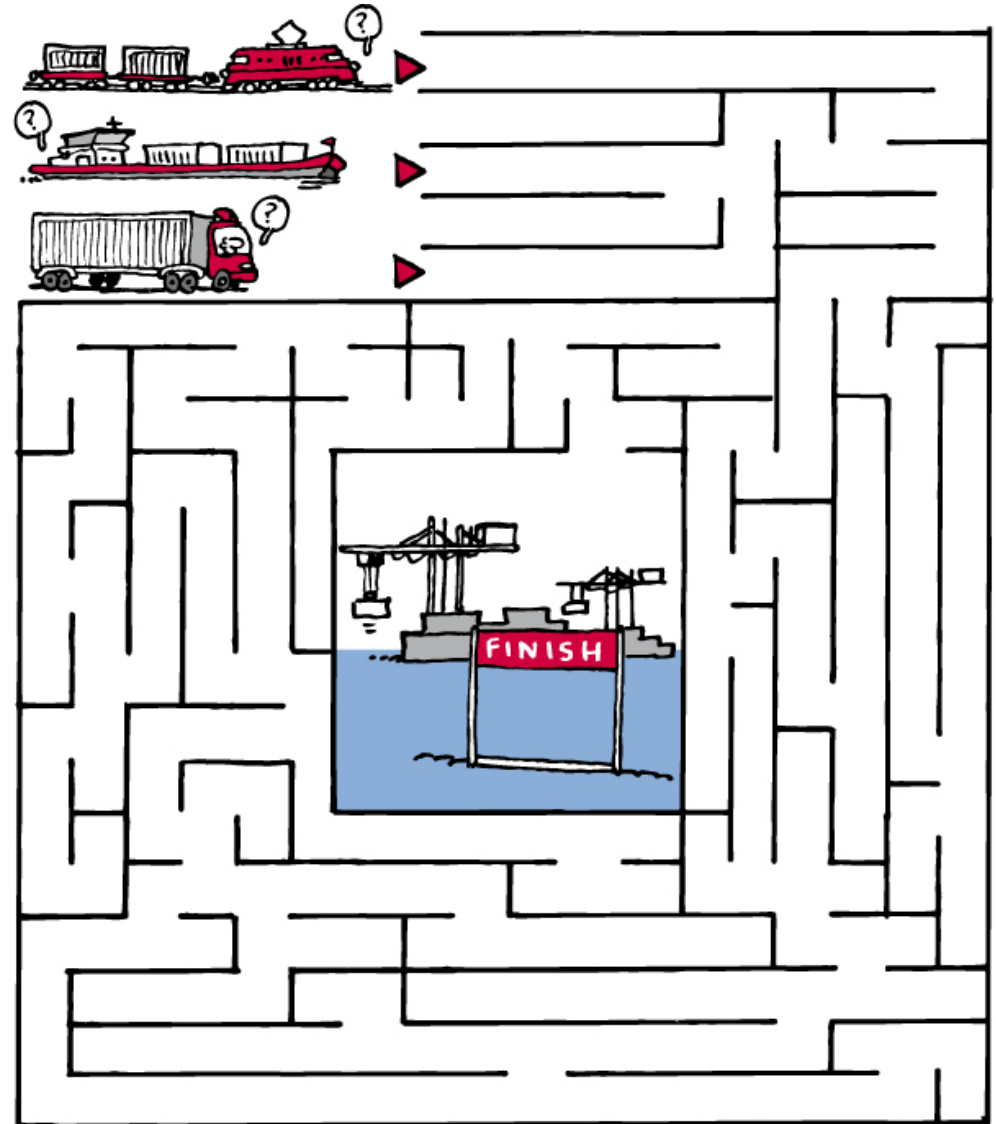


Increasing complexity

- (1)
Within the port
- (2)
In the hinterland
- (3)
Through market
fragmentation



Need to combine and
coordinate efforts to bundle
cargo throughout the total
supply chain



Collaboration Port of Antwerp & Alfaport

Benchmarking

- Comparison connections, frequency and transport prices

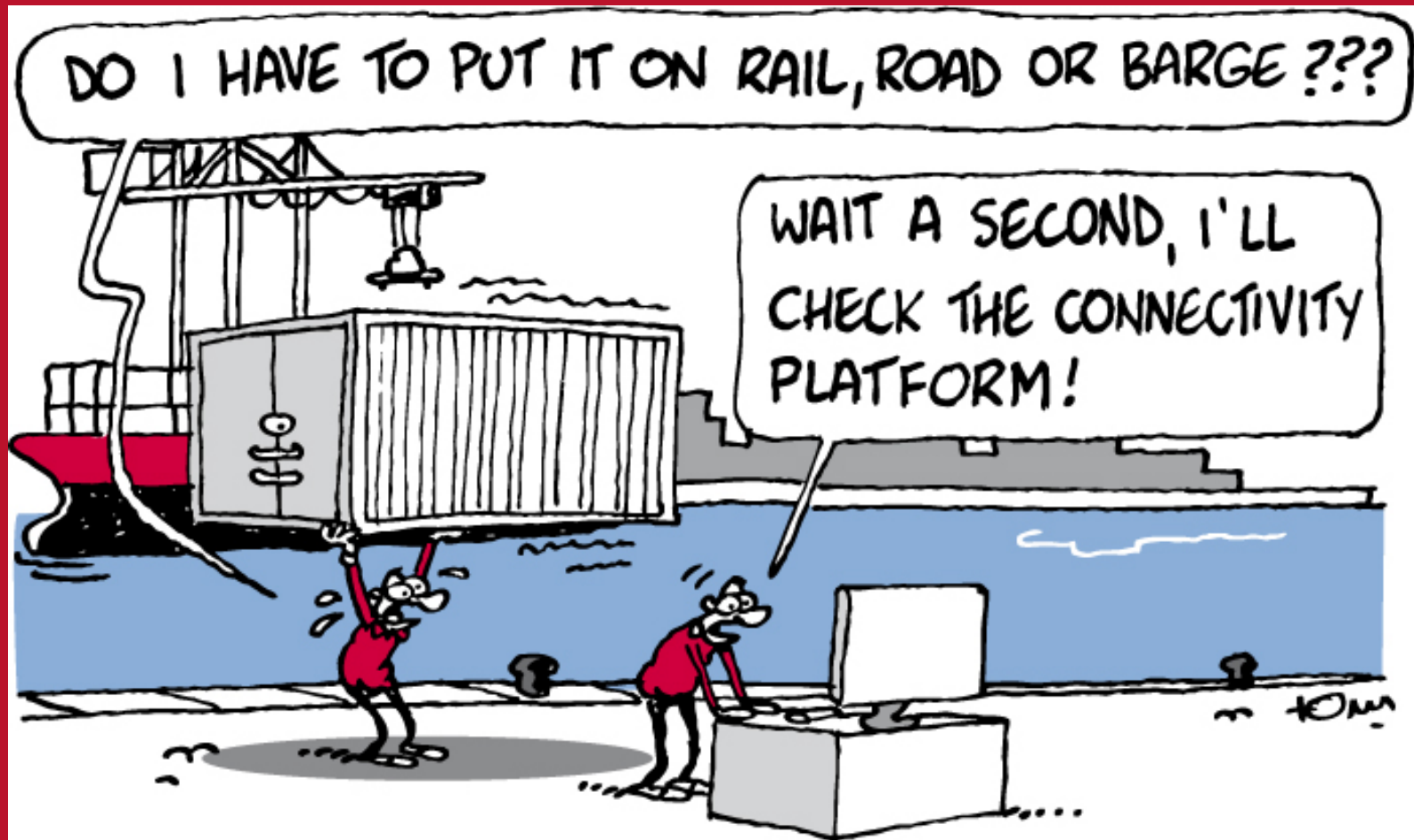
Development intermodal products

- Screening demand/supply freight flows Flanders
- “Interface” to companies and matching commodity flows (bundling)
- (Counseling) support

Information and communication

- Offering accurate info
- Networking (“user group”, conferences, barge bar and rail café)

Port of Antwerp Connectivity Platform



Port of Antwerp Connectivity Platform



Contains...

- General information about deepsea, shortsea and intermodal services
- 3 interactive tools:
 - ✓ *Maritime connection:*
Antwerp arrival & departure list of sea-going vessels
 - ✓ *Terminal connection:*
Interactive map with an overview of all the container terminals in the port and their services
 - ✓ *Intermodal connection:*
Online search engine offering clear information regarding the intermodal connections & possibilities between the Port of Antwerp & the European inland terminals

<http://www.portofantwerp.com/en/connectivity>

The screenshot shows the website's navigation bar with language options (NL, EN, FR) and links for News, Events, Publications, Media center, and Contact. The main header features the Port of Antwerp logo and a menu with categories: BUSINESS, PORT ORGANISATION, PUBLIC INTEREST, SUSTAINABILITY, and SERVICES AND INFO. The 'Connectivity' section is highlighted in red and contains three main interactive tools: 'Accessible port' (with a photo of a container ship), 'Maritime connection' (a world map showing shipping routes), 'Port Terminal connection' (a map of the port terminals), and 'Intermodal connection' (a search engine for routes between Antwerp and inland destinations). Below these are sections for 'Intermodal Solutions & Connectivity Platform' and a grid of six transport modes: Rail transport, Inland shipping, Road transport, Pipelines, Shortsea, and Overseas shipping, each with a brief description and a 'Show routes' button.

Port of Antwerp Connectivity Platform



PRODUCT SHEET Port of Antwerp Connectivity Platform



Benefits

Up-to-date information about maritime and intermodal transport possibilities to and from the Port of Antwerp

Transparency guaranteed: all data centralised in one place

User-friendly search engine with various search options

No registration required, free of charges

Interactive map and overview of the container terminals in the port

For whom

Shippers

Freight forwarders and 3PLs

Shipping agents and carriers

Intermodal operators

Terminal operators

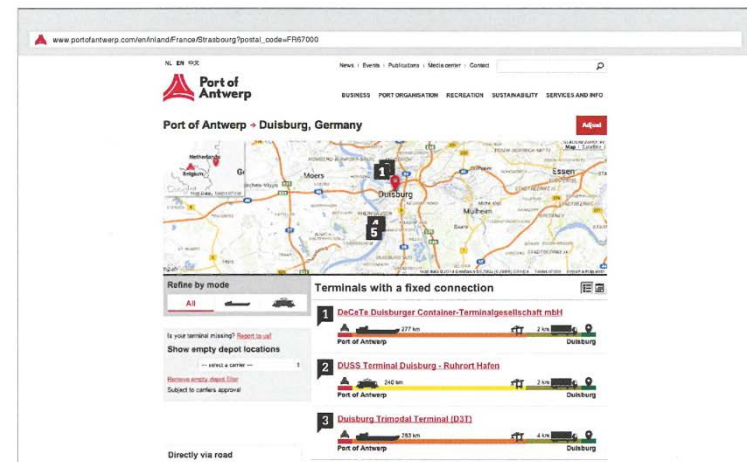
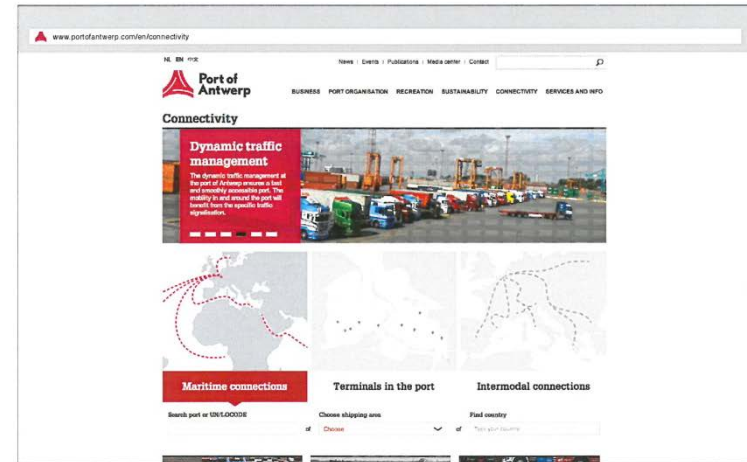
Easy access to maritime and intermodal options to and from the Port of Antwerp

Looking for an easy way for you to find out how to get your container cargo quickly, cost-efficiently and sustainably to and from the European hinterland via the Port of Antwerp? The Port of Antwerp Connectivity Platform is a user-friendly website offering clear information about the maritime and intermodal transport possibilities to and from the port, all centralised in one place.

“
This platform creates transparency in the various intermodal options between our terminal and the Port of Antwerp

Philippe Govers,
Chief Operating Officer,
BCTN/BCTN MEERHOUT

www.portofantwerp.com/en/connectivity



▲ The platform contains information about 280 carriers, 200 container terminals and 70 transport operators from 15 European countries, which makes it a unique tool.