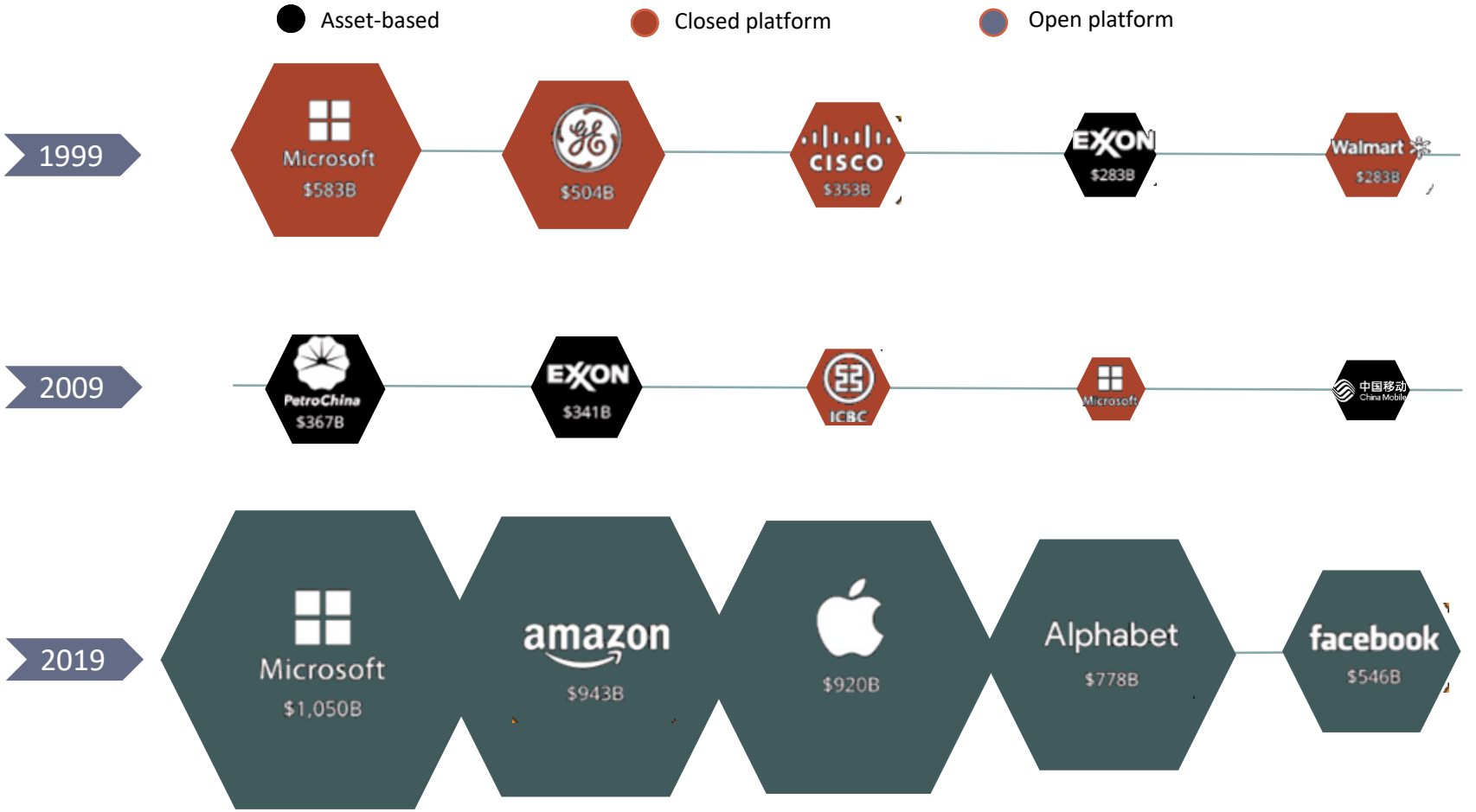

Interreg
EUROPEAN UNION
2 Seas Mers Zeeën
SPEED
European Regional Development Fund
TomorrowPorts
Connecting European Ports to Smart Tech
Quo Vadis, Smart Ports?
Towards a barometer to assess and increase smart port maturity

The power of platforms

Top 5 companies in terms of market capitalization



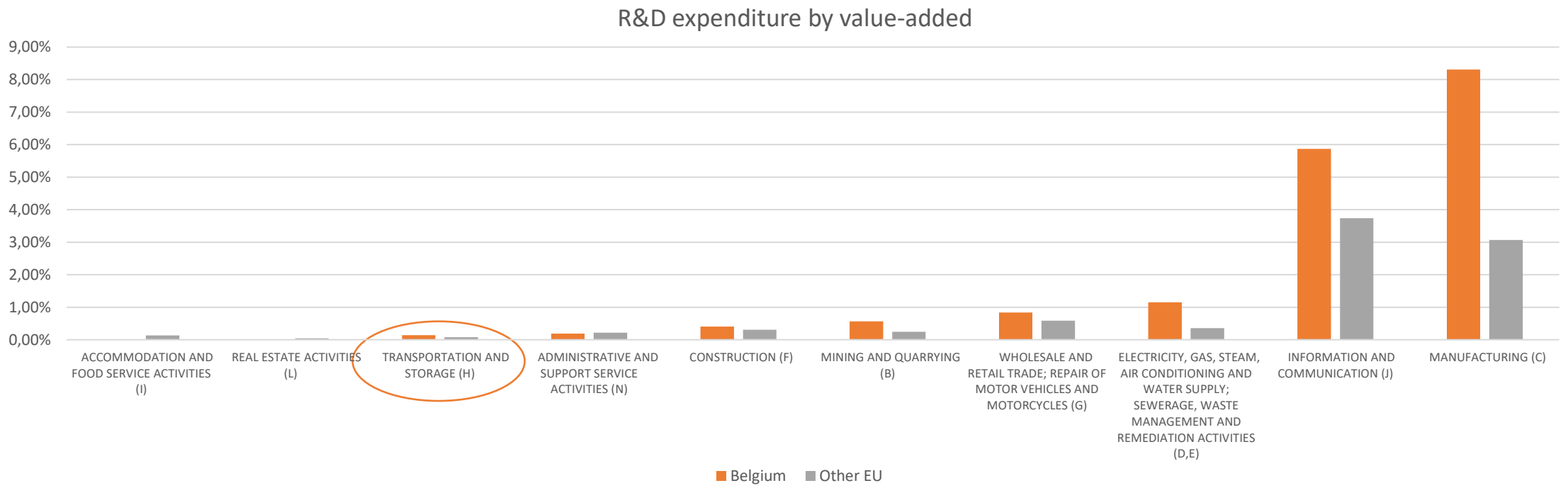
Smart Ports - A story of…

TECHNOLOGICAL POTENTIAL

SOCIAL CHANGE CAPACITY

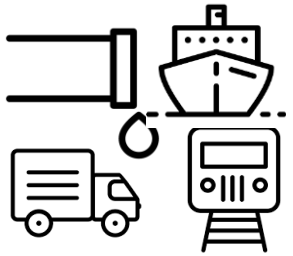

16 Apr 10:20 UTC

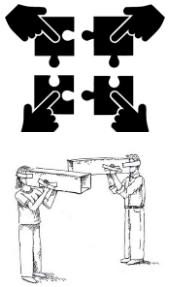
The innovation impulse?



What is a Smart Port?



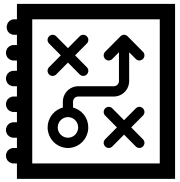




A Smart Port is a port that

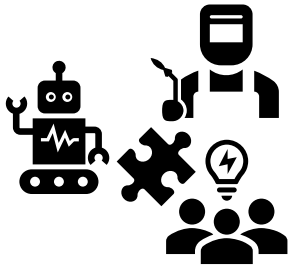
- optimizes **in-, port- and out-bound** flows of goods and information,
- leads a **sustainable development**,
- guarantees **safe, resilient and secure activities**
- through the **capabilities of** its (extended) **port community** and enabling technologies”

Strategic challenges



Each port operates under varying environment-related contingencies

A lack of a holistic approach



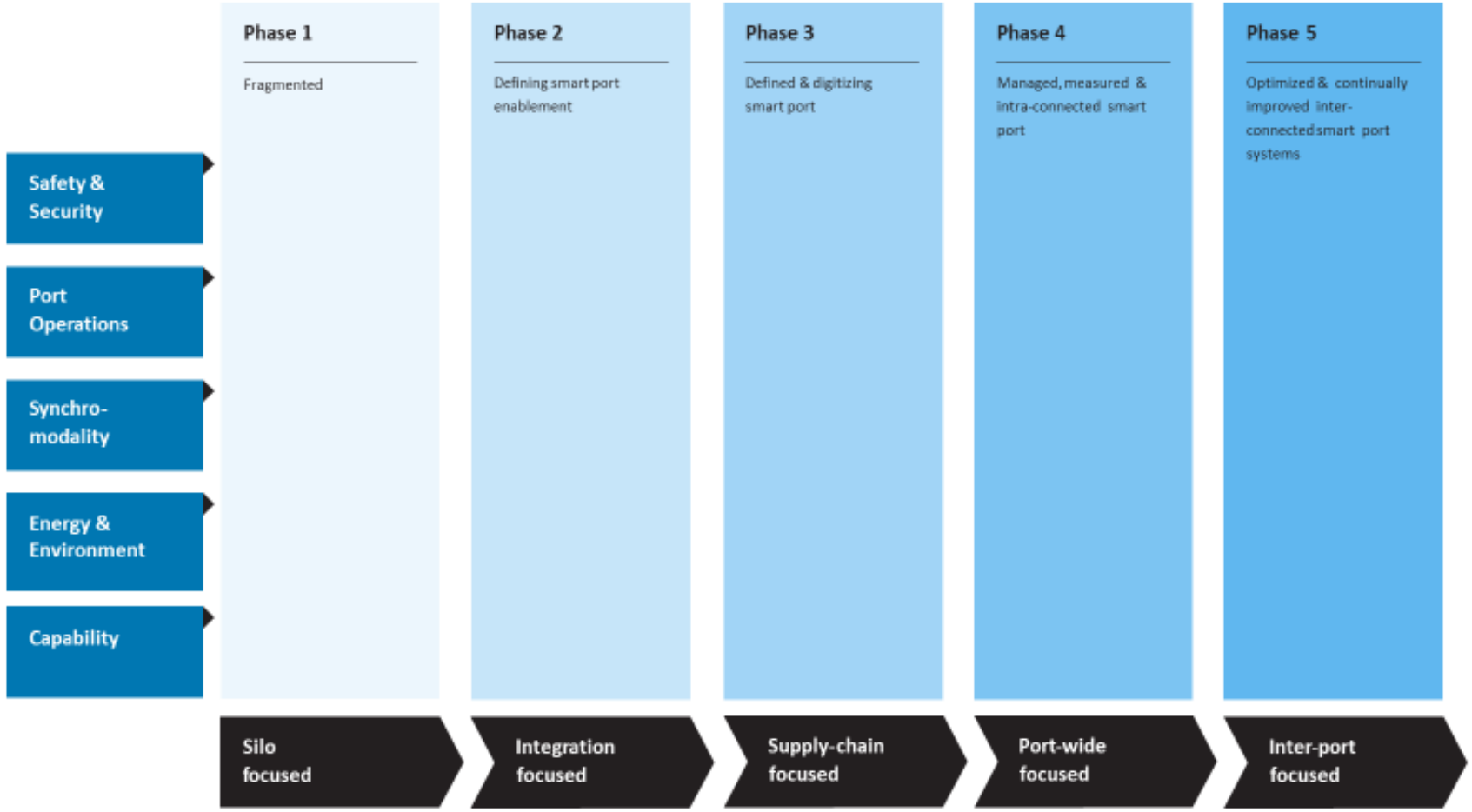
Tech adoption is not enough, new mindset, rules and disciplines are needed

Tactical challenges only a community can overcome

- Our own or others' low IT maturity
- Getting everyone to commit
- Lack of appropriate data platform
- Mental shift
- Lack of resources
- Data standards
- No willingness to change, if it entails losing an existing benefit
- The business case clear for everyone
- Mainly operational focus

Smart Port Maturity Model

Integrating the state-of-the-art scientific literature on failure and successes of smart port digital transformation



Case: North Sea Port

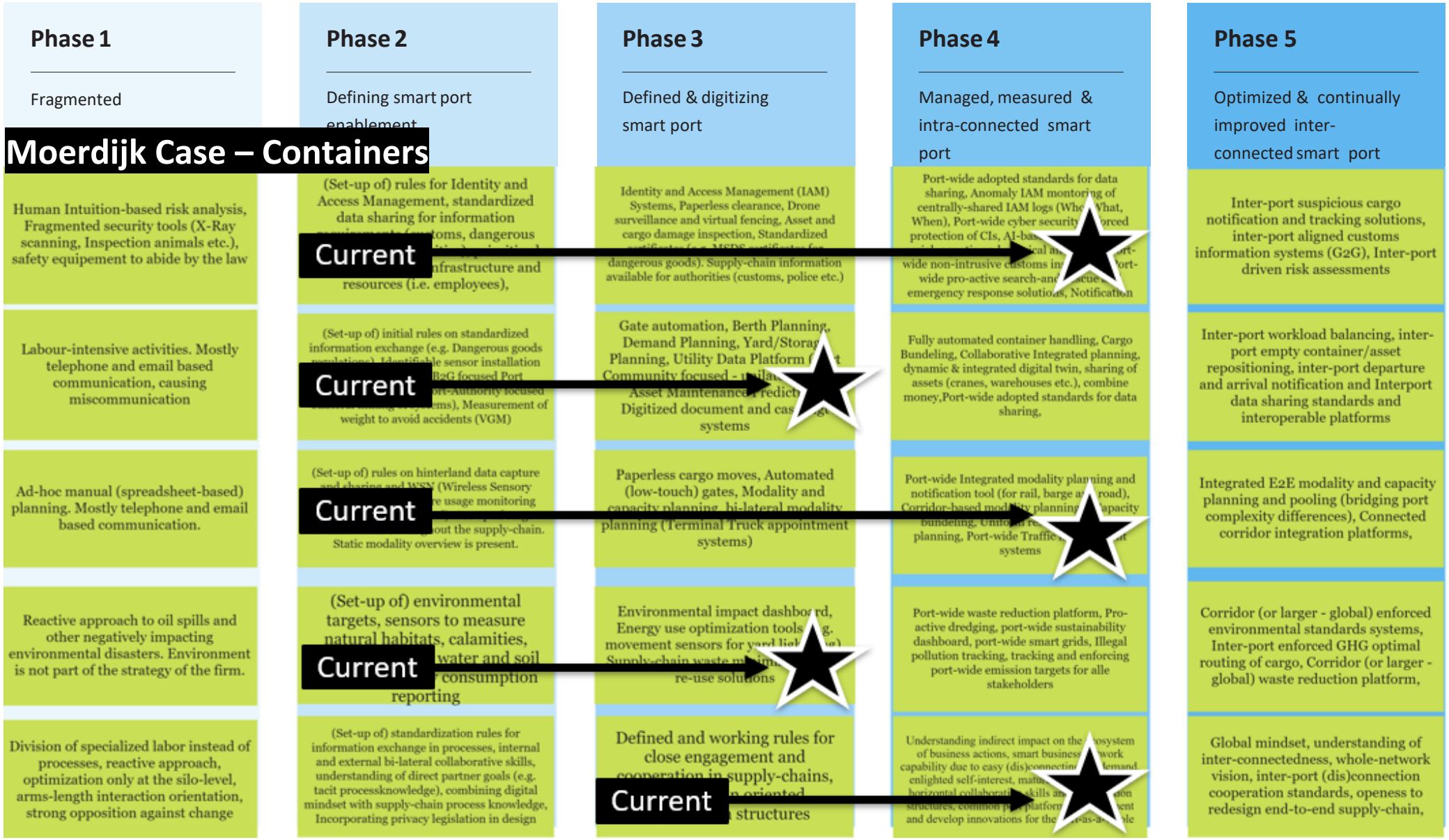
Karel Saey

Rick Van Sluijs

Case - Port of Moerdijk

- 4th biggest port of the Netherlands
- +400 companies in logistics and chemicals

What are the components of a smart port?



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SPEED

Smart Port Barometer

Tracking progress of smart port maturity in international port areas

Benchmarking digital maturity & ambitions of port stakeholder types

June 30th 2021

Kick-off: June 30th, 2021
Publication of results: September 30th, 2021
Distribution of participant benchmark results: October 2021

Participate & get your organization's benchmark: **https://bit.ly/362zdvr**
Partnership requests: Lorenzo.Franchi@ams.ac.be

Thank you for your attention!

The Smart Port Maturity Model can

1. **Guide individual actors** in their digital transformation.
2. **Map your current maturity** and **benchmarking** them against captains of industry
3. **Strategically align** your **port community** to **choose** digital transformation **projects together**