Move forward:
Step by step towards a digital port.

PortForward
Digital solutions by Port of Rotterdam

Our world in transition

Faster than we think. With greater impact than we think.

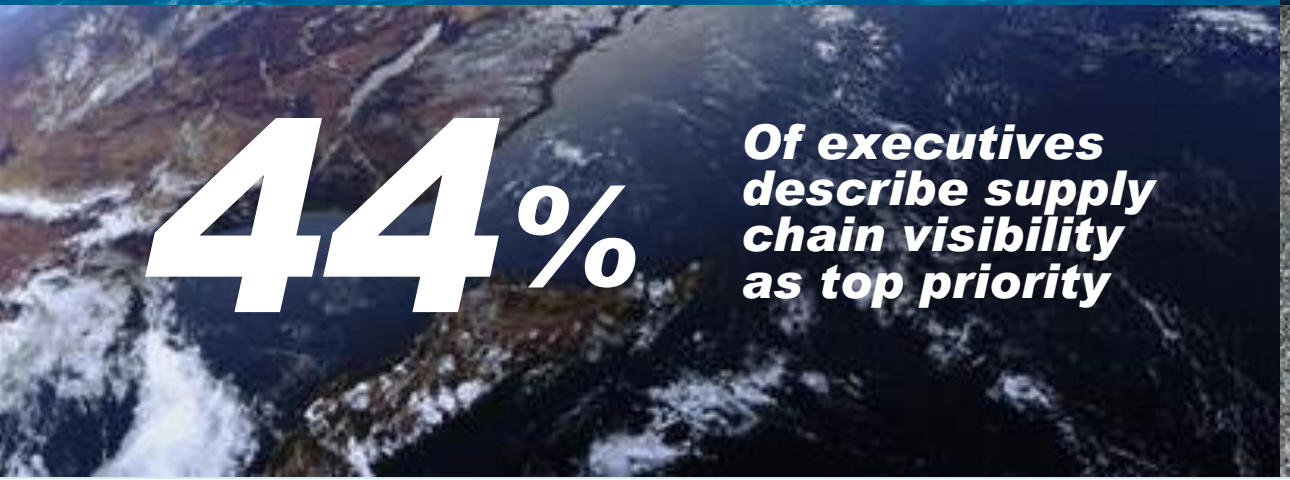
New partnerships

New companies

New technologies

PortForward
Digital solutions by Port of Rotterdam

There is a lot to gain in logistics



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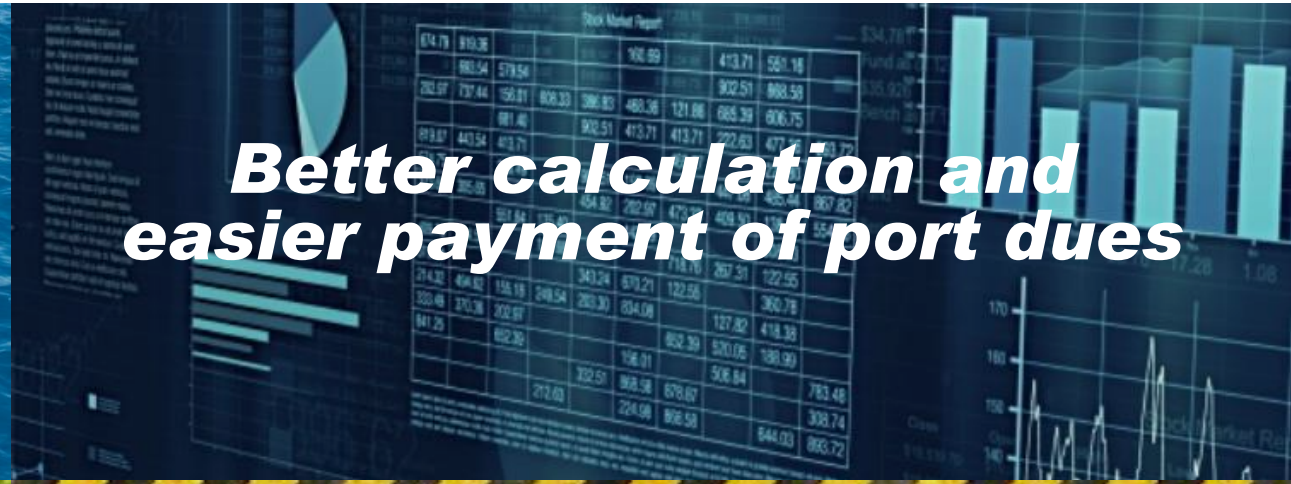
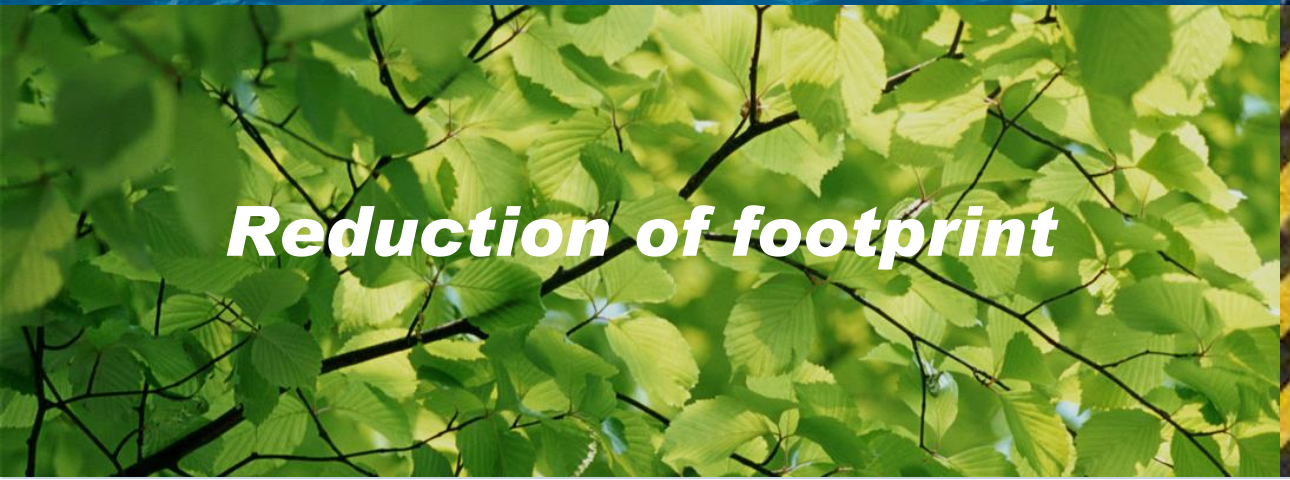
Port call optimisation and CO2 reduction





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THESE CHALLENGES WILL NOT BE SOLVED BY IT SUPPLIERS ALONE.

Challenges

IN-DEPTH KNOWLEDGE OF PORT OPERATIONS IS NECESSARY. WE HAVE THAT KNOWLEDGE.

The result?

A growing portfolio of market-ready solutions.

WE STARTED BY LISTENING TO OUR CUSTOMERS.

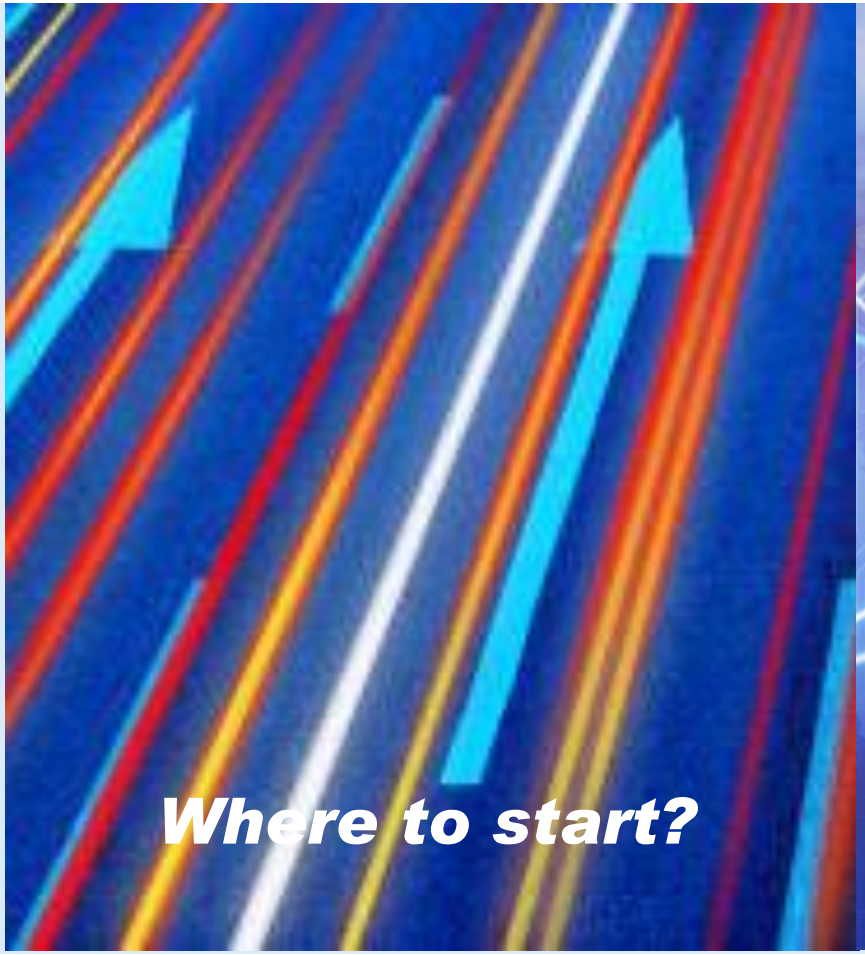
Solutions

WE BUILT POC'S AND RAN PILOTS IN CLOSE COOPERATION WITH PARTNERS.

SCRUM AGILE: EXPERIMENT, FAIL, LEARN, REPEAT.

Next generation port:

Smart and connected, no more waste



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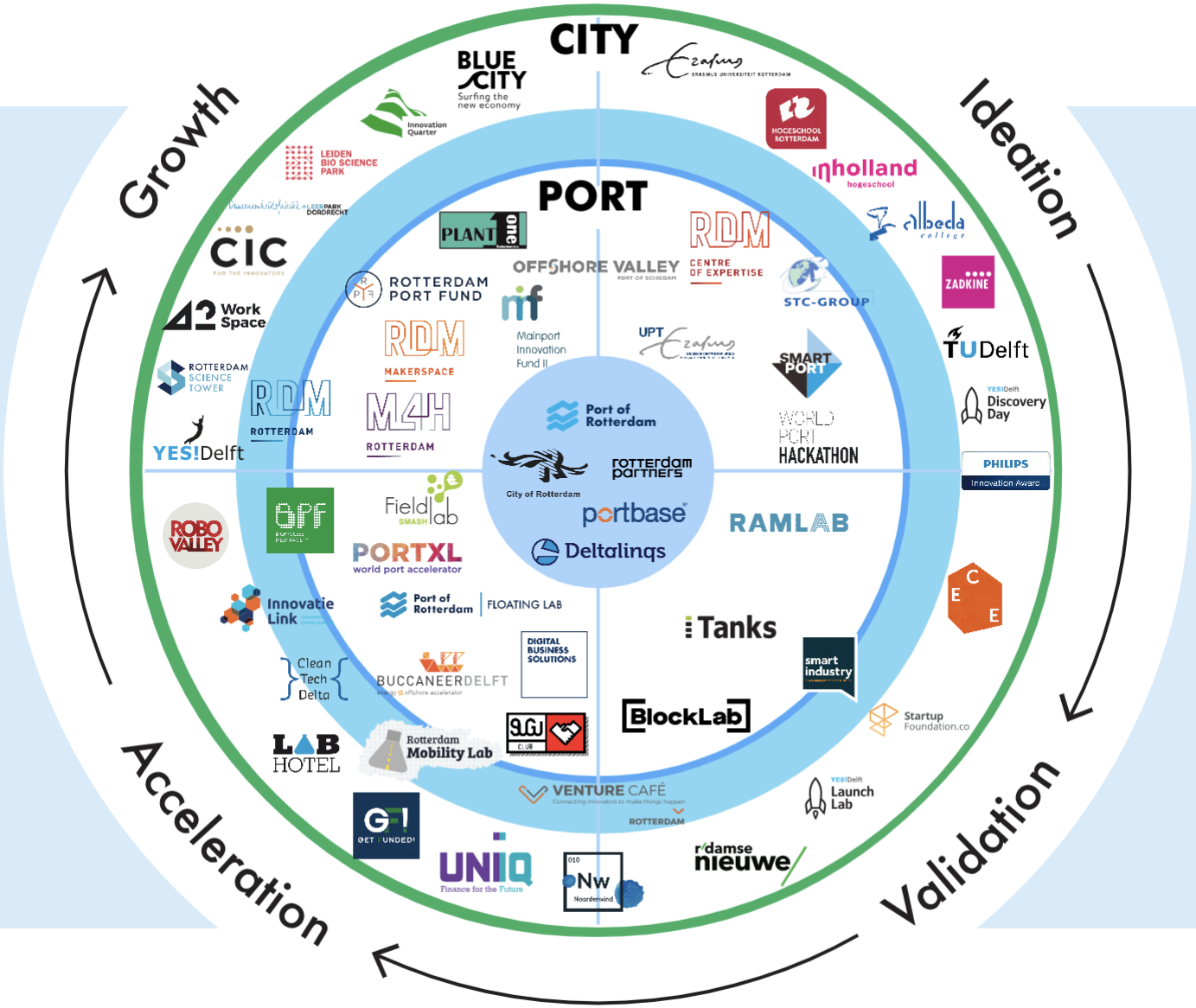
Smartest port



PORTXL world port accelerator

RAMLAB metal parts on demand

BlockLab

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Imagine a port...

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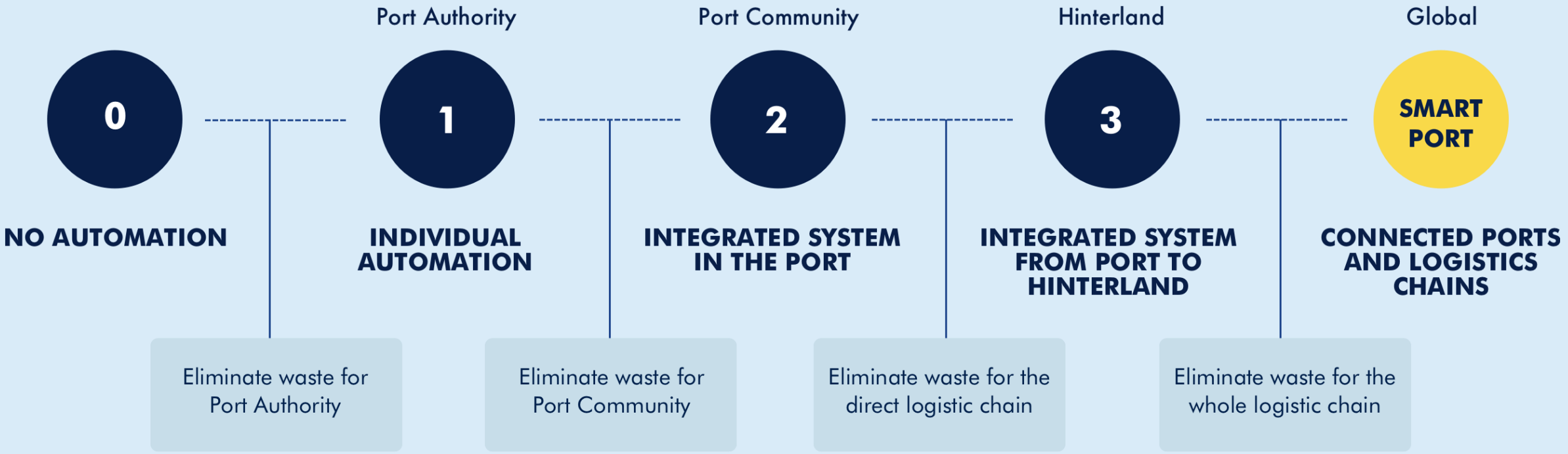
Step by step towards a digital port



PortForward
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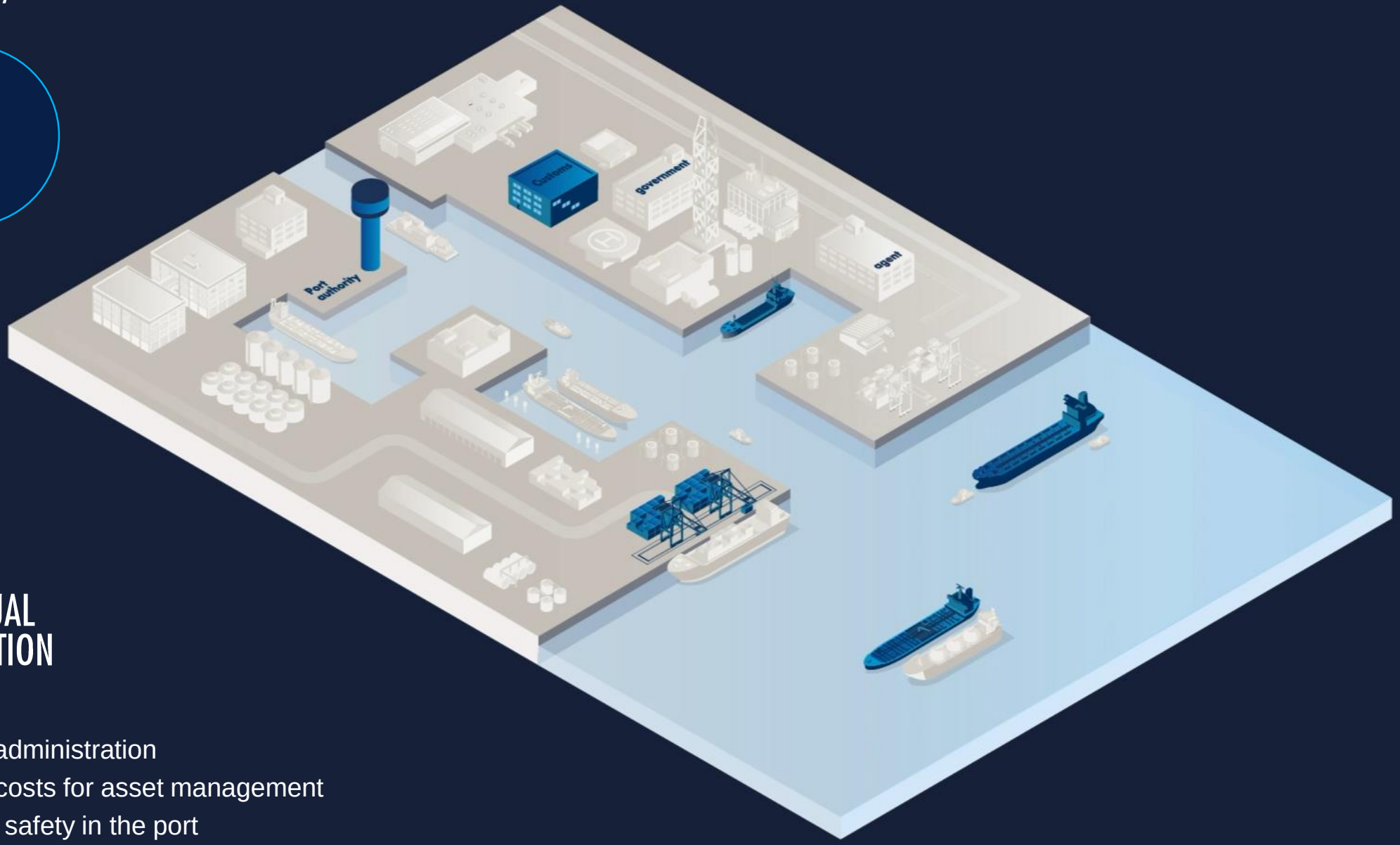
Port Authority

1



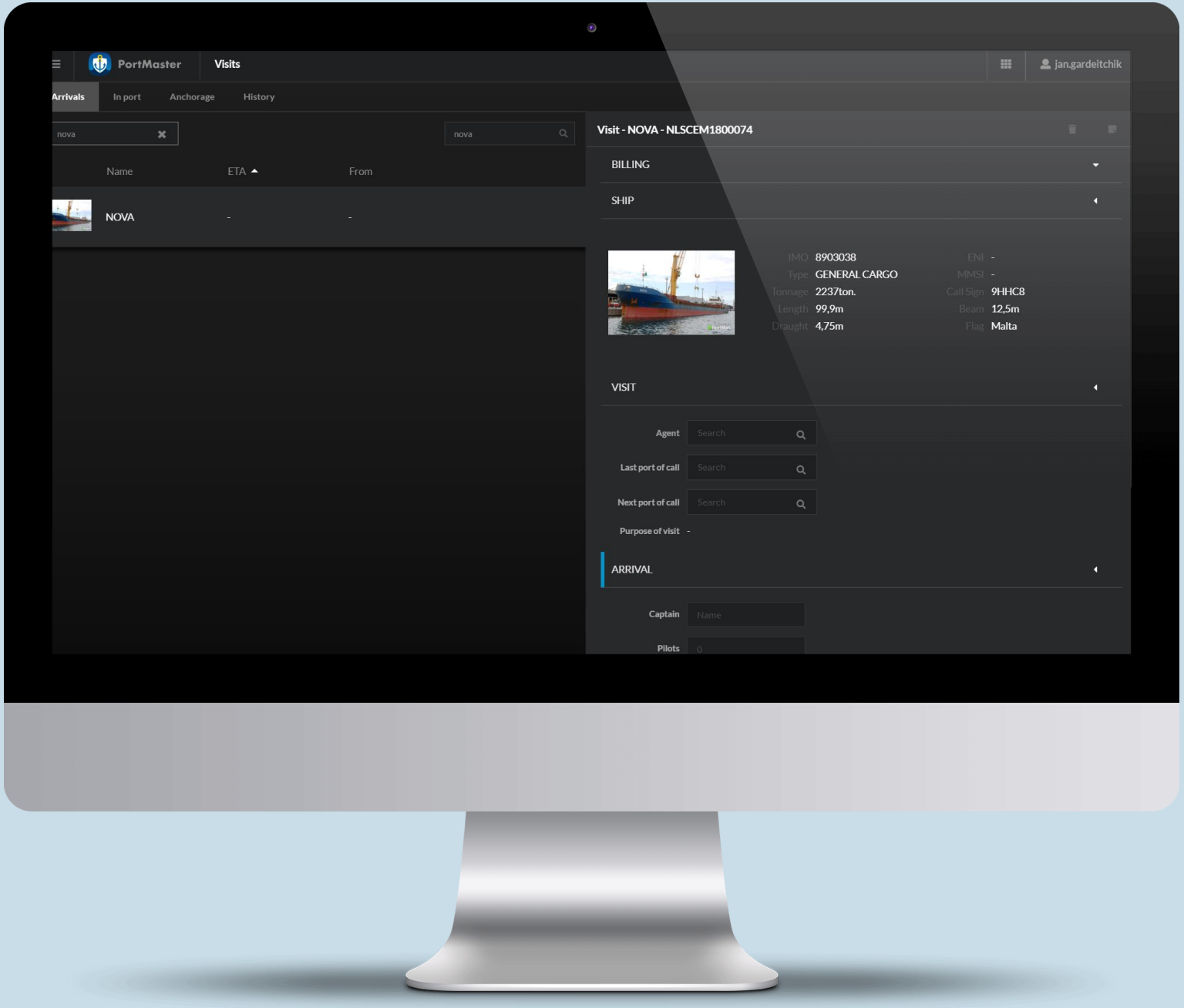
INDIVIDUAL AUTOMATION

- Accurate administration
- Reduced costs for asset management
- Increased safety in the port
- Better services to port users

Port Authority

1

INDIVIDUAL AUTOMATION



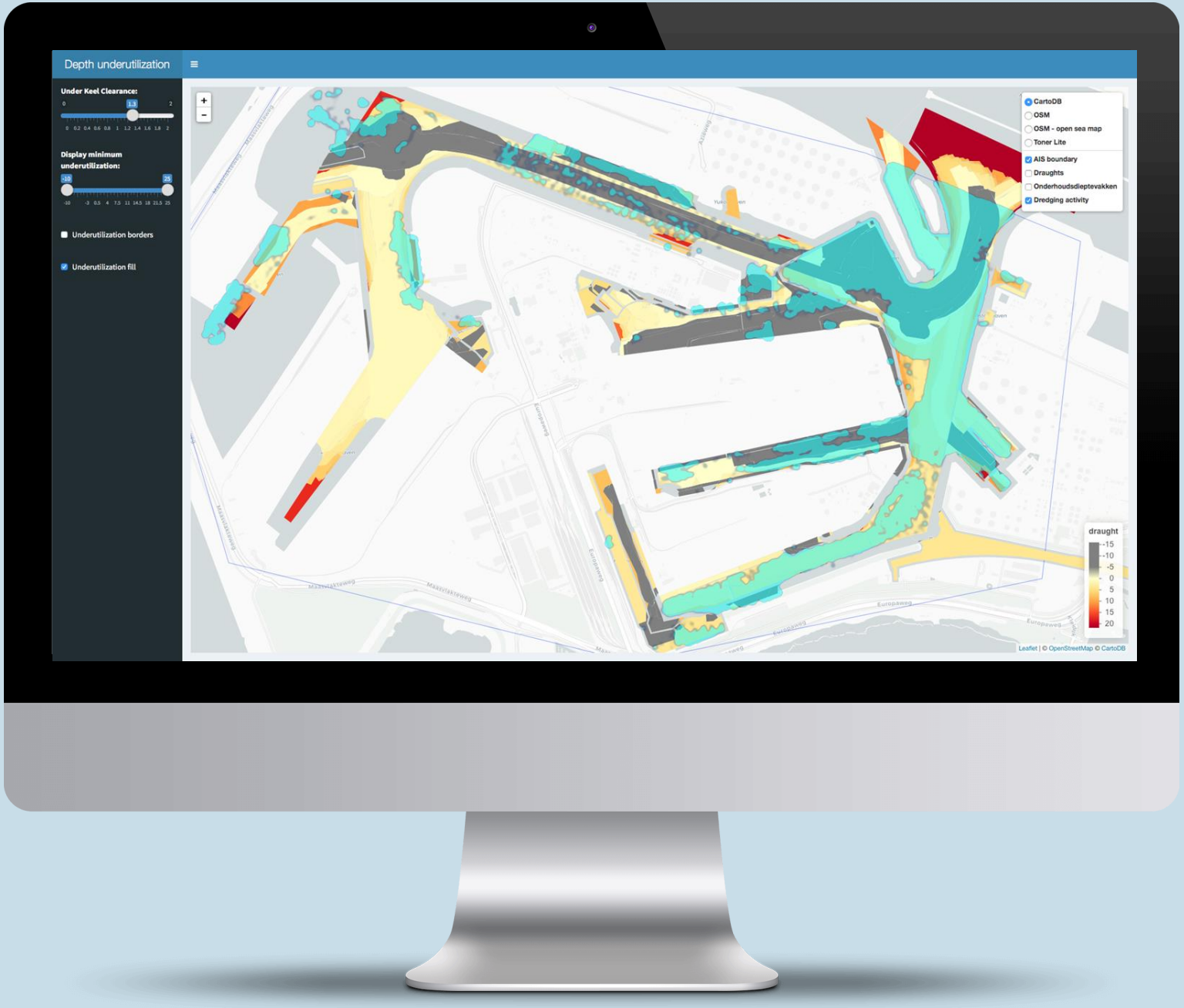
Goal

Eliminate waste for a single port player

Port Authority

1

INDIVIDUAL AUTOMATION

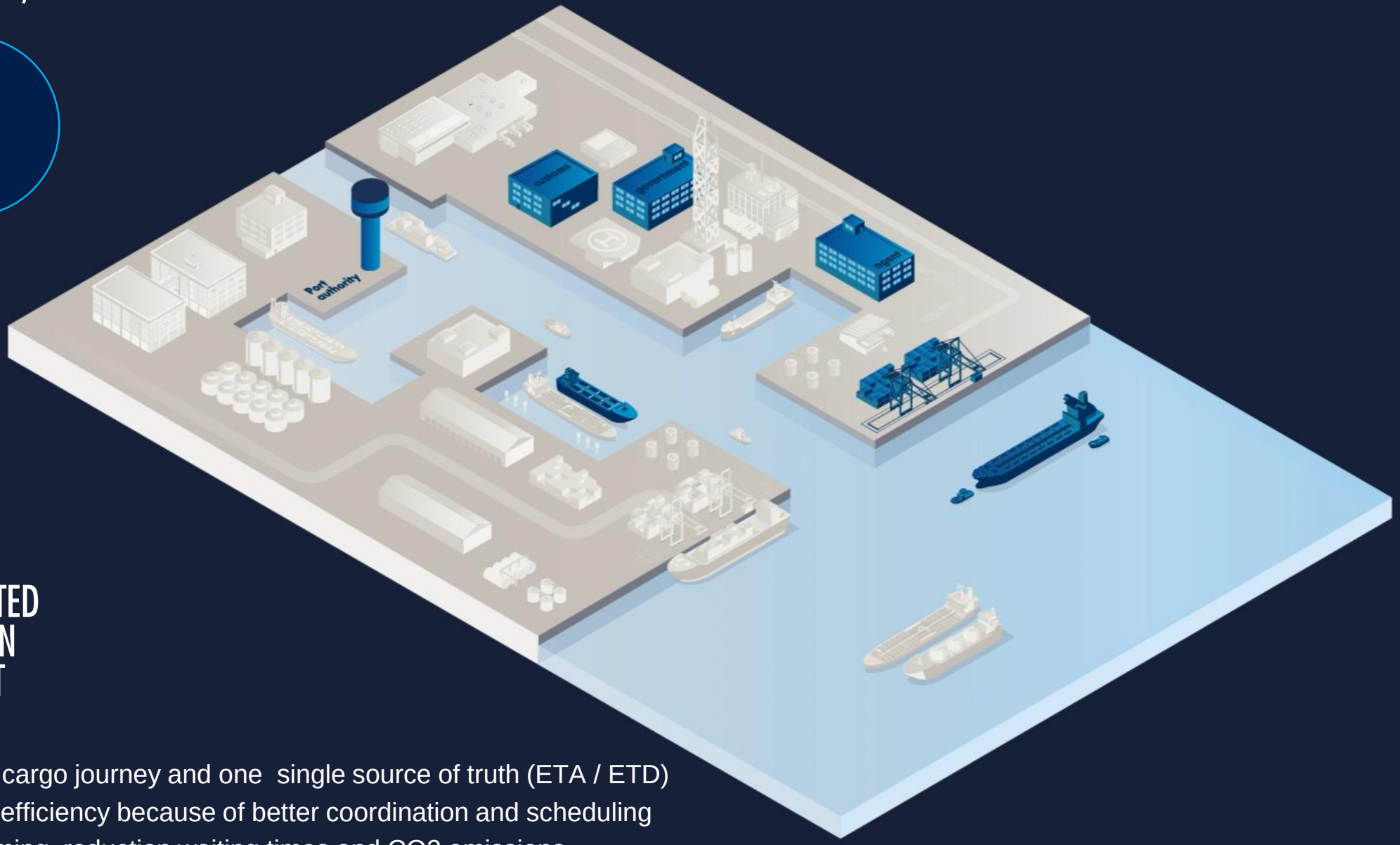


Goal

Eliminate waste for a single port player

Port Community

2



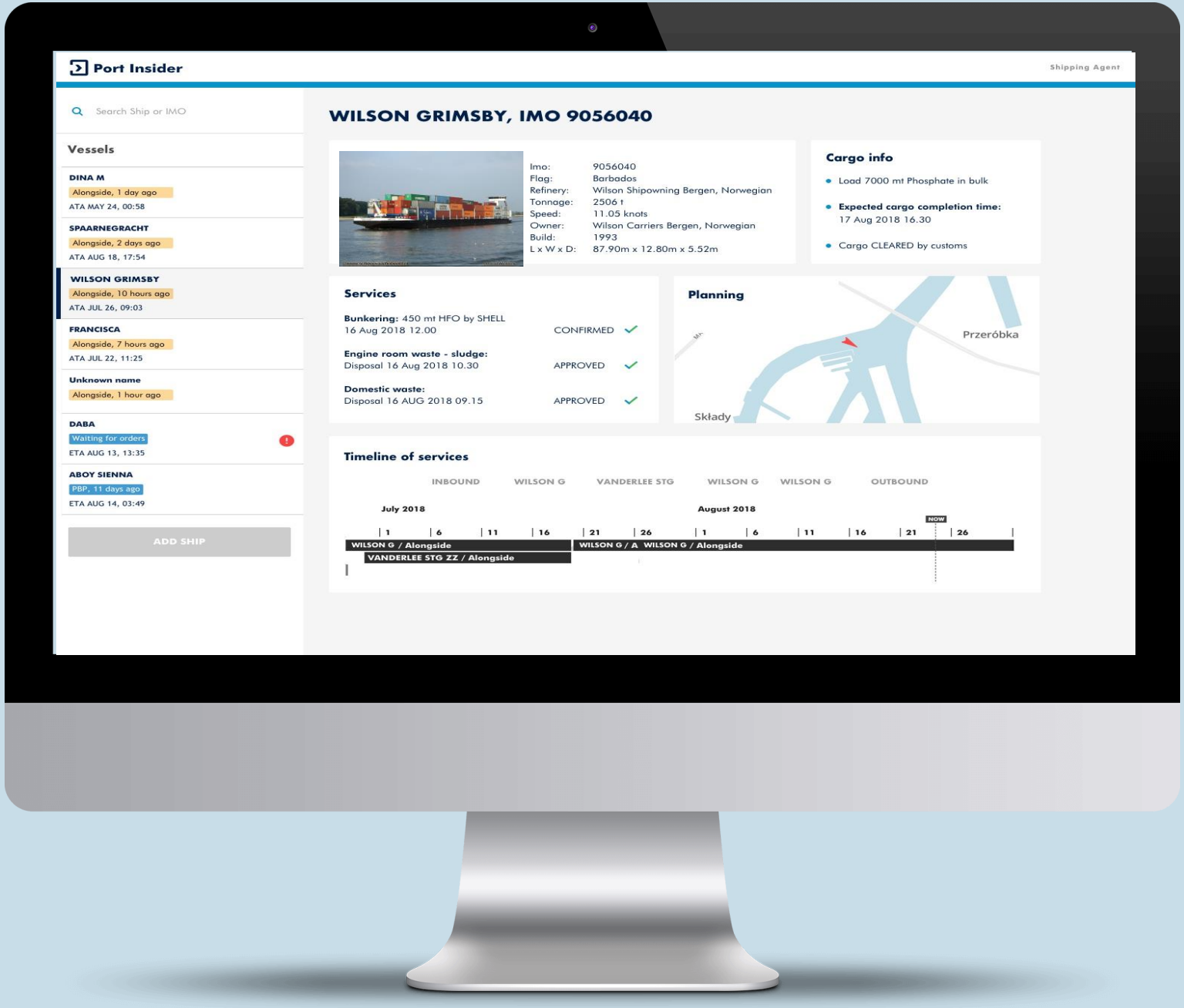
INTEGRATED SYSTEM IN THE PORT

- Paperless cargo journey and one single source of truth (ETA / ETD)
- Increased efficiency because of better coordination and scheduling
- Slow steaming, reduction waiting times and CO2 emissions

Port Community

2

INTEGRATED SYSTEM IN THE PORT



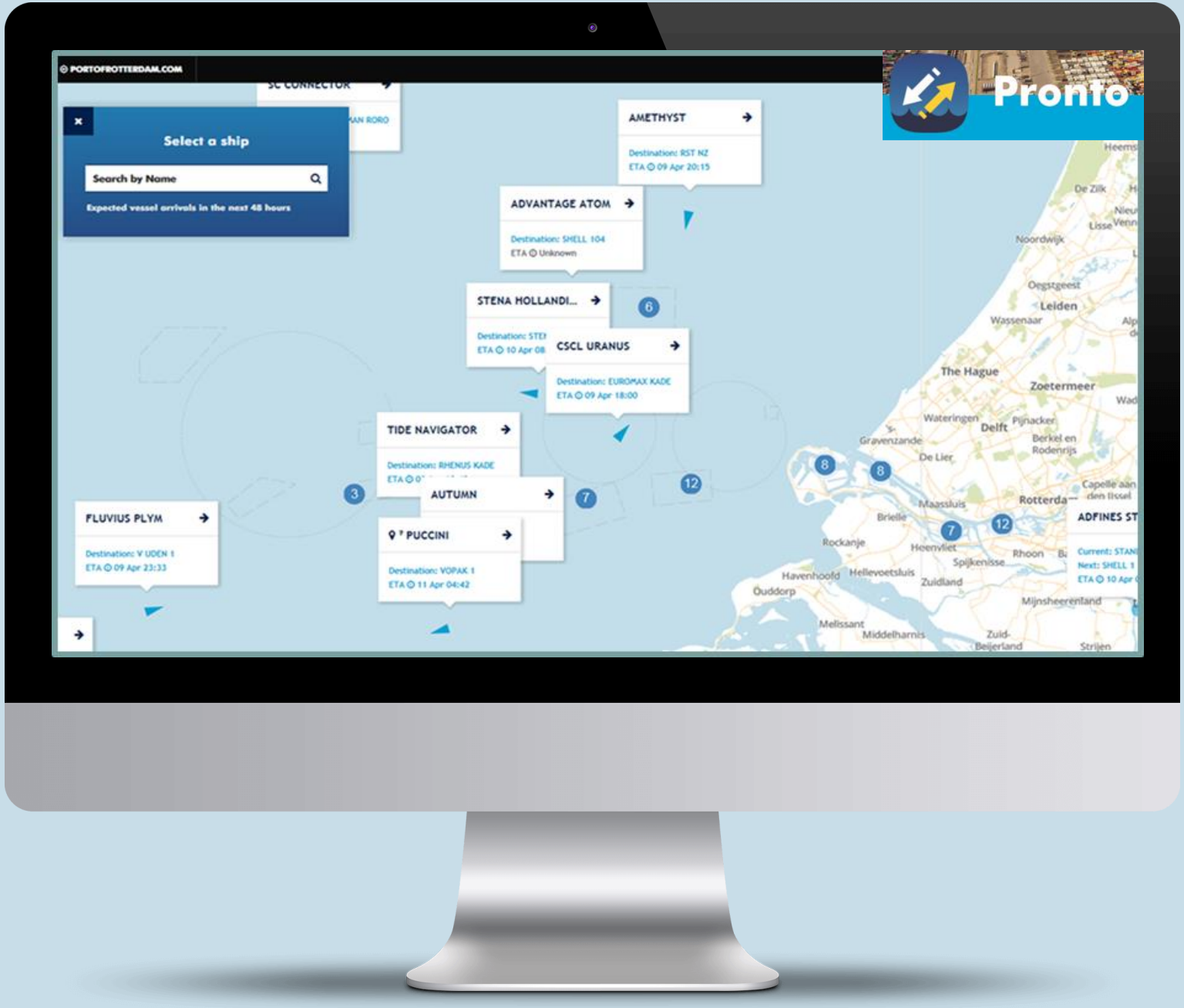
Goal

Eliminate waste in the whole Port Community.

Port Community

2

INTEGRATED SYSTEM IN THE PORT

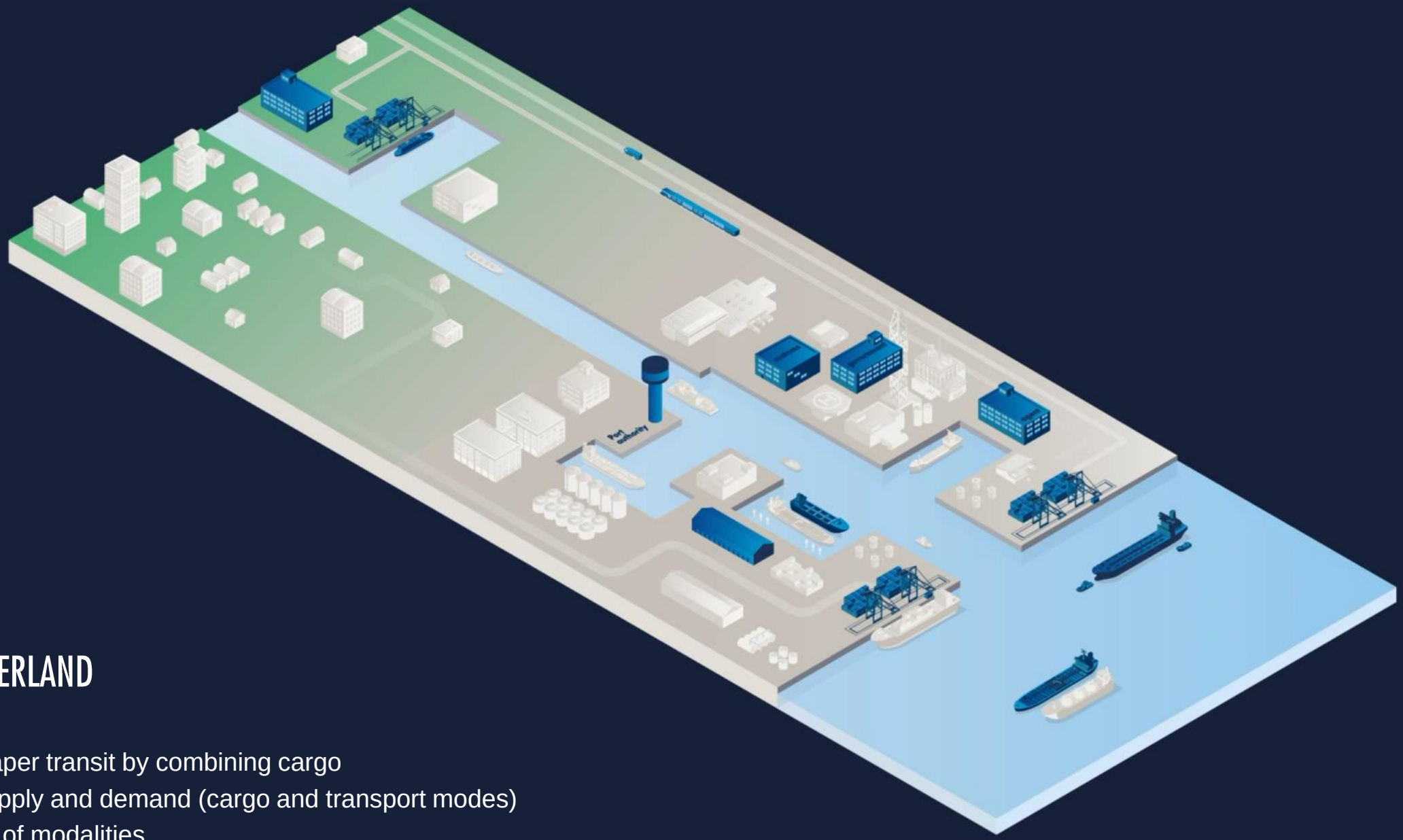


Goal

Eliminate waste in the whole Port Community.

Hinterland

3



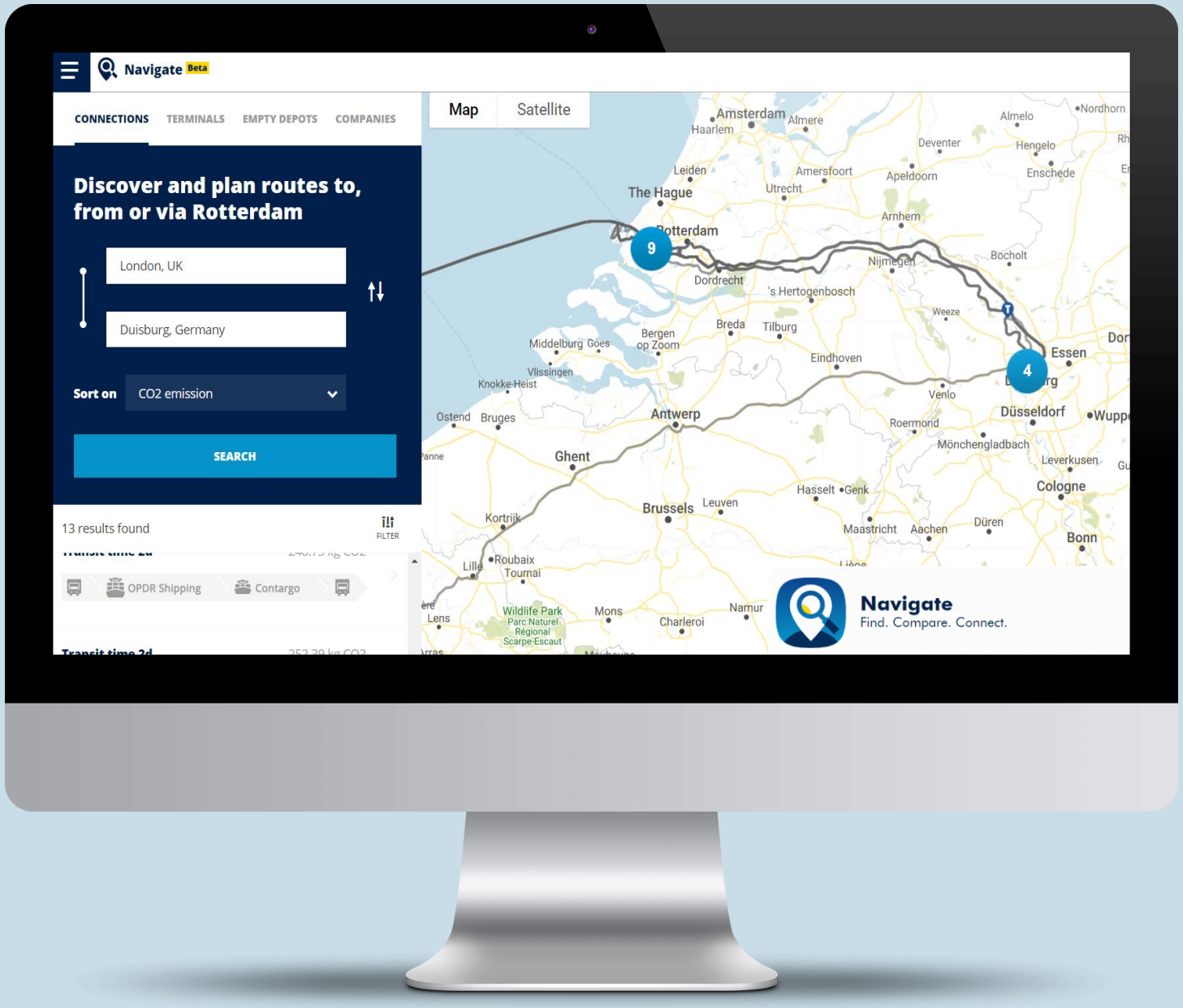
INTEGRATED SYSTEM FROM PORT TO HINTERLAND

- Faster and cheaper transit by combining cargo
- Better match supply and demand (cargo and transport modes)
- Track and trace of modalities

Hinterland

3

INTEGRATED SYSTEM FROM PORT TO HINTERLAND



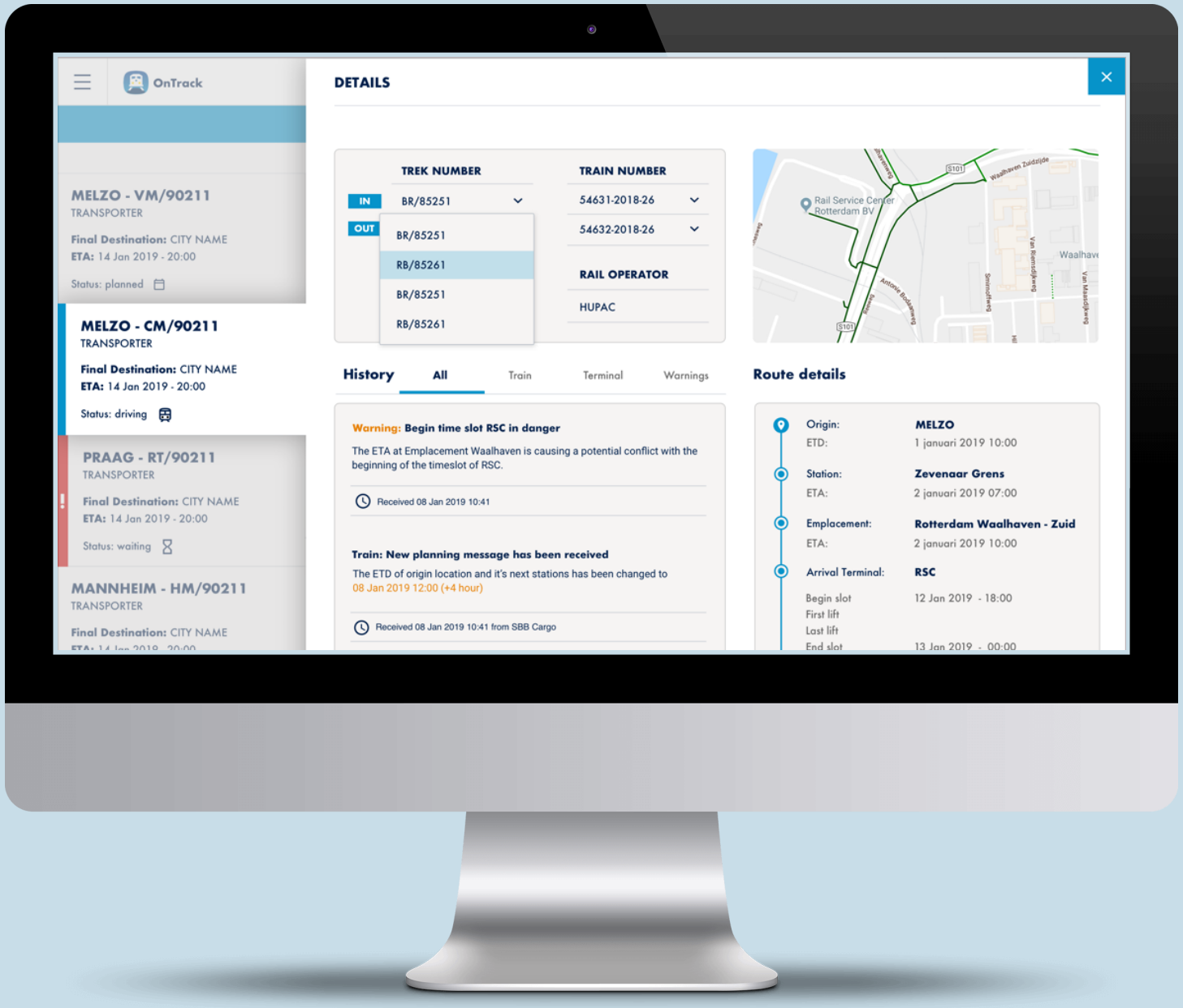
Goal

Eliminate waste
in the direct chain.

Hinterland

3

INTEGRATED SYSTEM FROM PORT TO HINTERLAND



Goal

Eliminate waste
in the direct chain.

Global

SMART PORT

CONNECTED PORTS AND LOGISTICS CHAINS

- Just in time operations
- Seamless and sustainable cargo journey
- Predictive world: Management by exceptions
- …… Future benefits?

Global

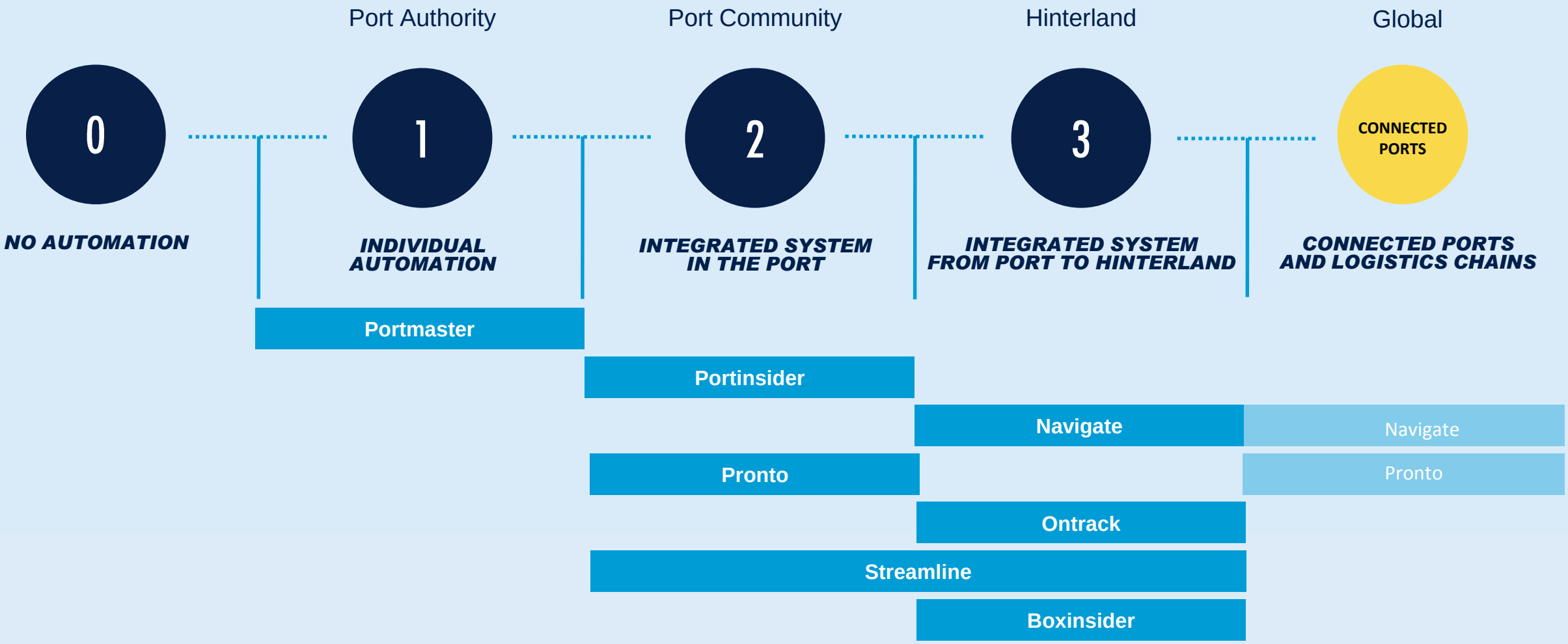
SMART PORT

CONNECTED PORTS AND LOGISTICS CHAINS

Goal

Eliminate waste in end to end logistic chain.

Step by step towards a digital port



What will be the benefits

- Less CO2 and emissions
- Using the full potential of existing infrastructure
- Optimal transparency
- Just in time operations
- Faster transit times and smoother throughput cargo, paperless
- Increased safety
- financial benefits for the whole logistic chain

Will you join us and connect?

- Step by step help towards connected ports
- Software as a Service (SaaS) concept makes connectivity ***available for all ports*** without huge upfront investments
- **Contact us to connect with us**
- **Digitalization of ports, a Rotterdam specialty**

CONNECT. OUTSMART. DELIVER.
MAKE IT HAPPEN.

Join our journey towards world connected ports

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