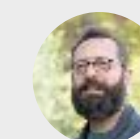




# GLOBAL TRADE

**trade finance  
and logistics  
intertwined**



BOB GRAVESTIJN - APRIL 13, 2021





# CHALLENGES

**lack of trust and  
disconnected,  
non-standardised,  
paper based business**





PART ONE

---

# **Blockchain is going to change worldwide supply chains**



# Value drivers







# How will blockchain effect *your* supply chain?

## *Blockchain could help to ...*

- build trust
- enhance transparency
- enhance efficiency of processes
- support paperless trade
- reduce costs
- administer intellectual property rights
- enhance procurement processes
- open up new opportunities micro, small and medium sized enterprises and small producers from developing countries





“

**We're quite confident that Blockchain has big, big implications in supply chain, transportation and logistics. It's the next frontier that's going to completely change worldwide supply chains.**

”

- Frederick W. Smith, FedEx Founder & Chairman





“

**We need to digitise from the inside of our business, but at the same time, finding the best solutions will require our industry to partner with companies across a wide range of industries.**

”

- Søren Skou, CEO A.P. Moller-Maersk





knowledge leakage

opportunistic behaviour

~~collaboration~~

lack of commitment

instability of relations





PART TWO

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# **a sense of the status of trade**

*follow the trade flows*









*the effect of a...*  
**grain of sand**



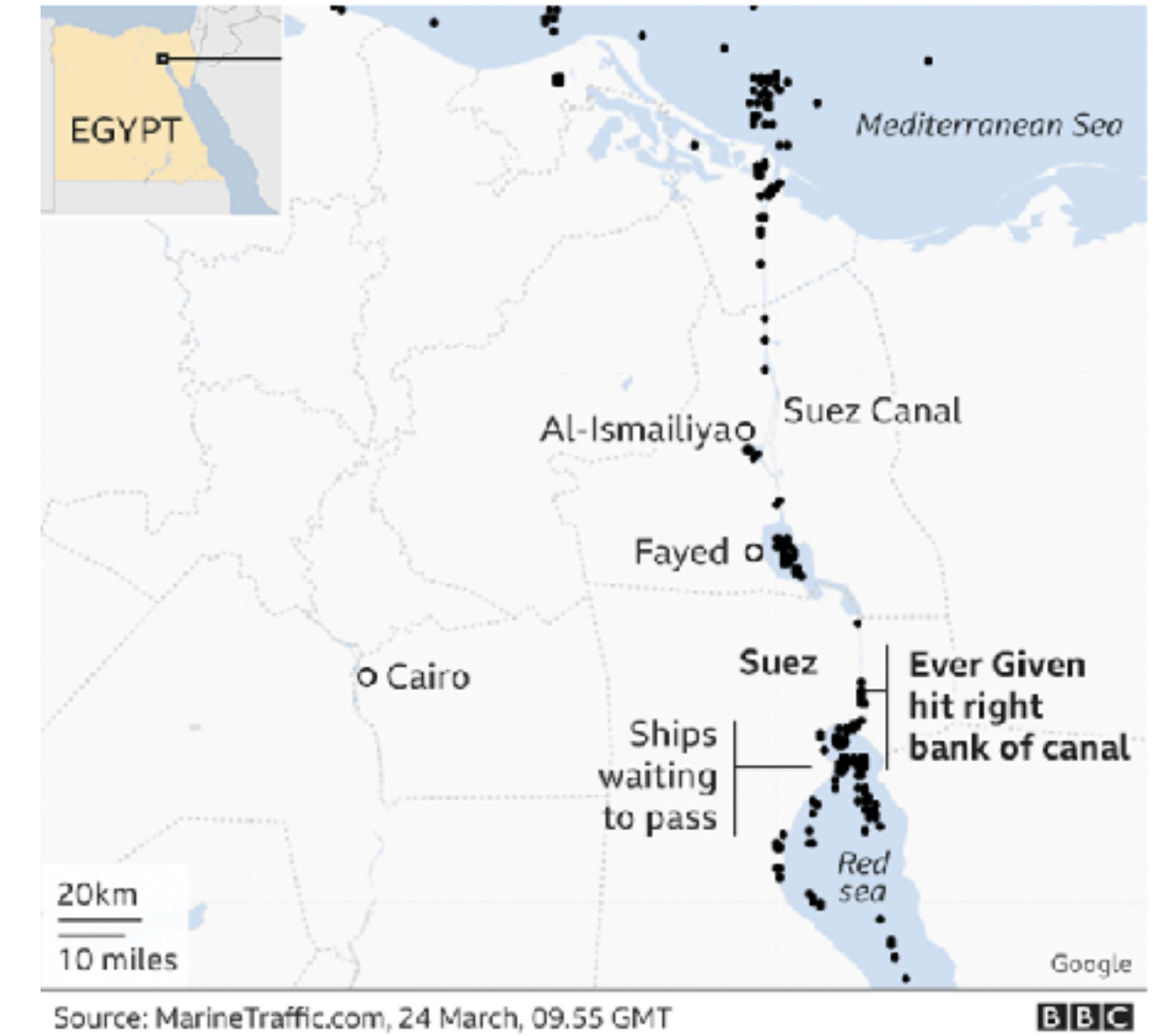


# Suez Canal blockage

*Suez Canal blockage is delaying an estimated \$400 million an hour in goods*



REUTERS



EPA





# WORLD CITY

*30 million inhabitants*

European innovation hotspot

European capital - Brussels

European gateway

- 3 airports and
- 3 sea ports

8 universities in world top 100

15 universities in world top 150







## PART THREE

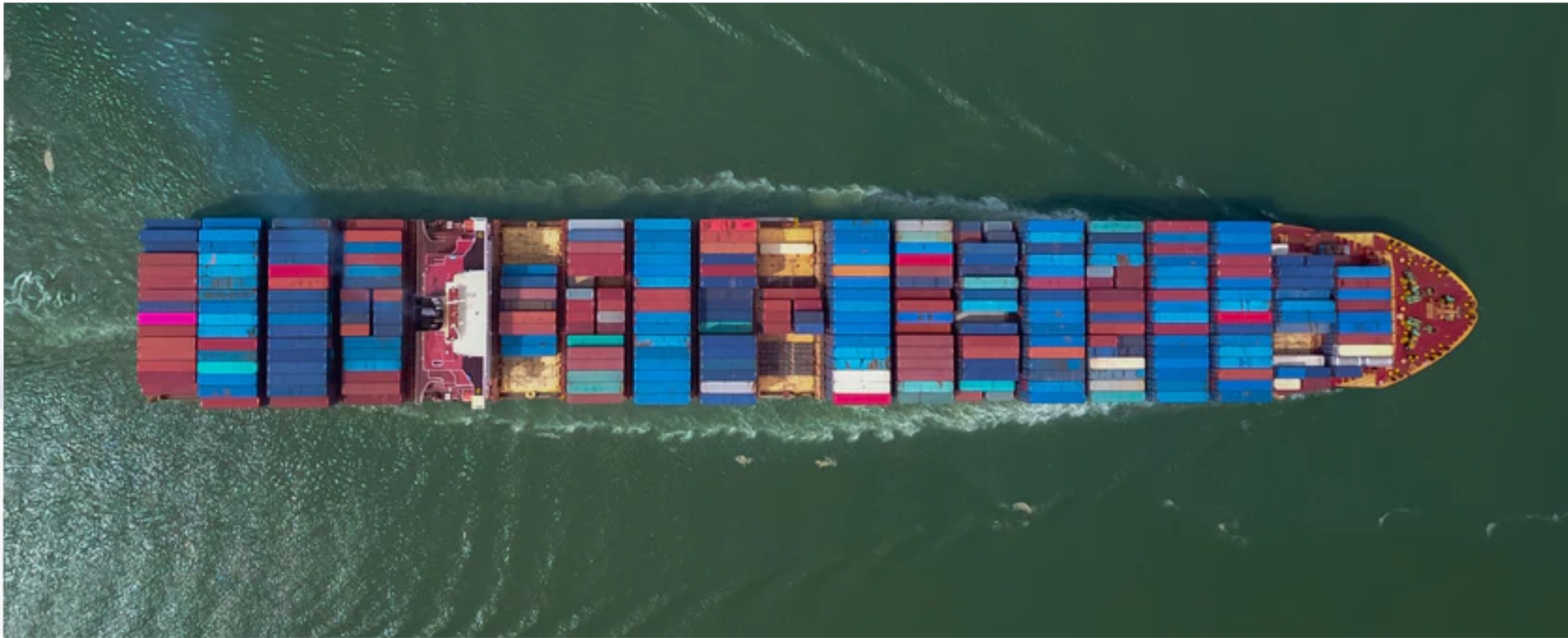
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# a simple *customer* journey



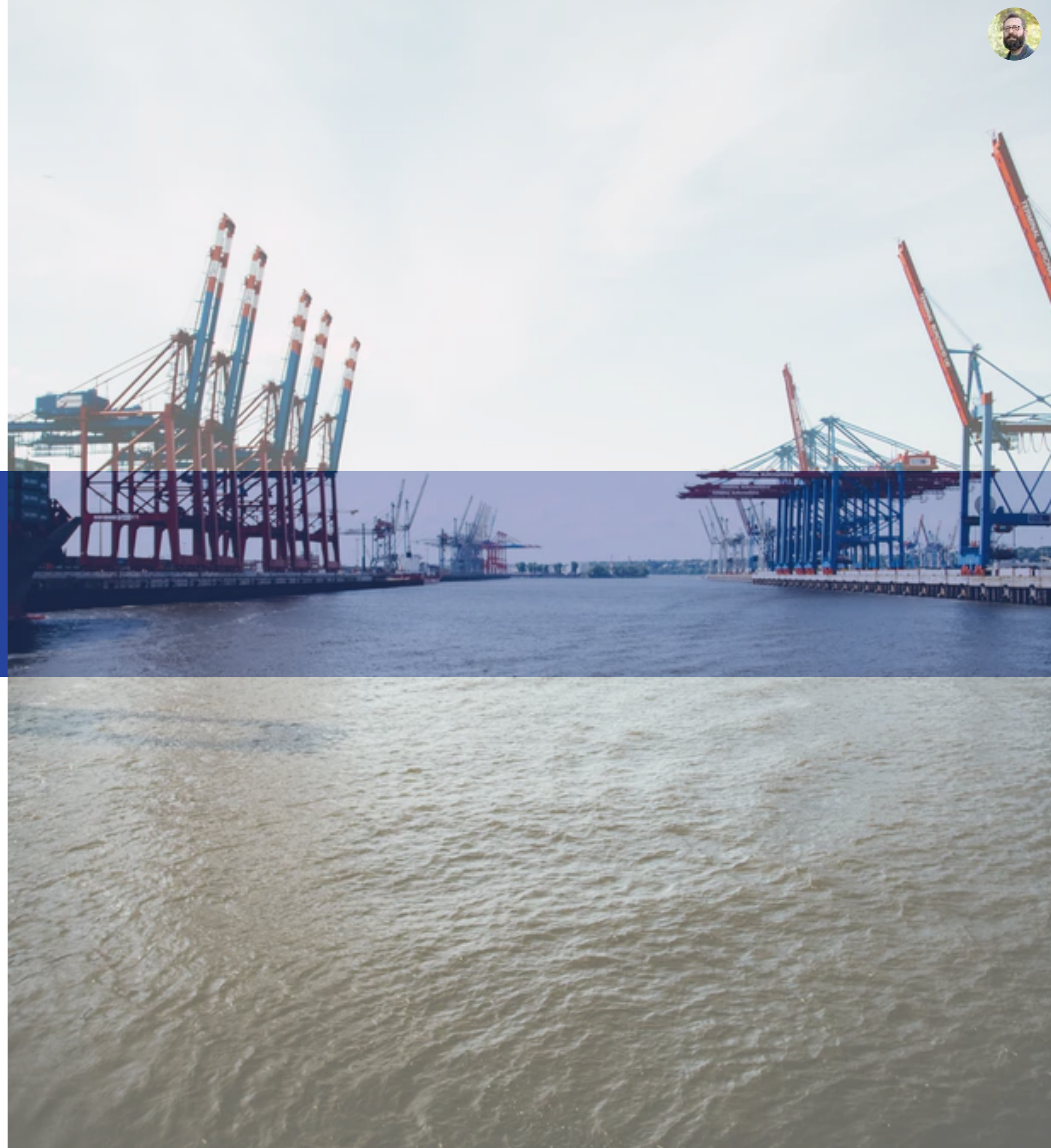


**enter**

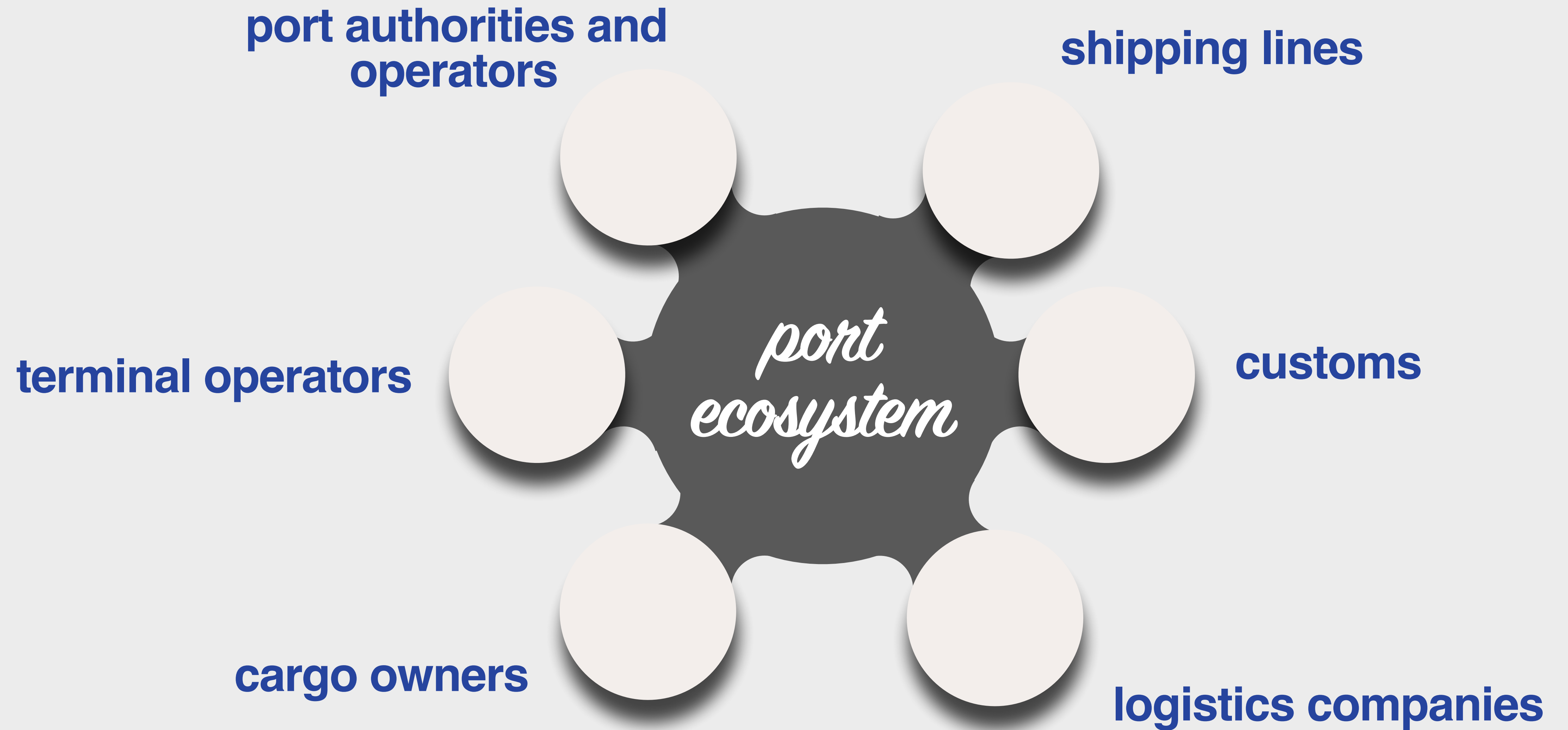




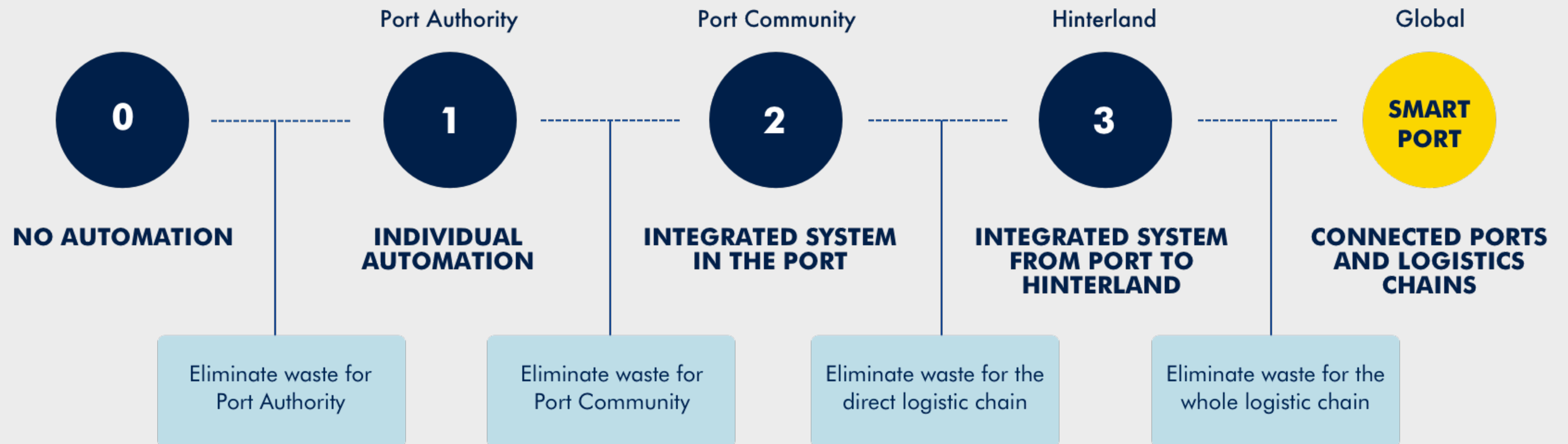
# enter the port



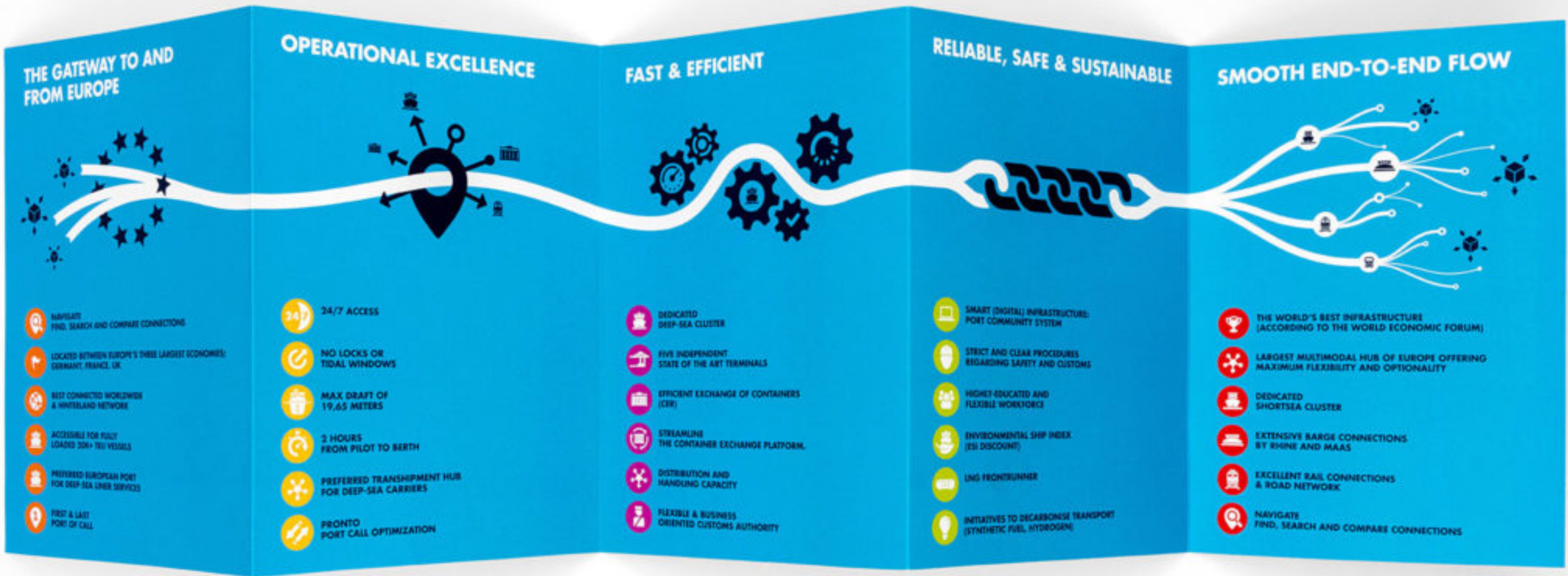
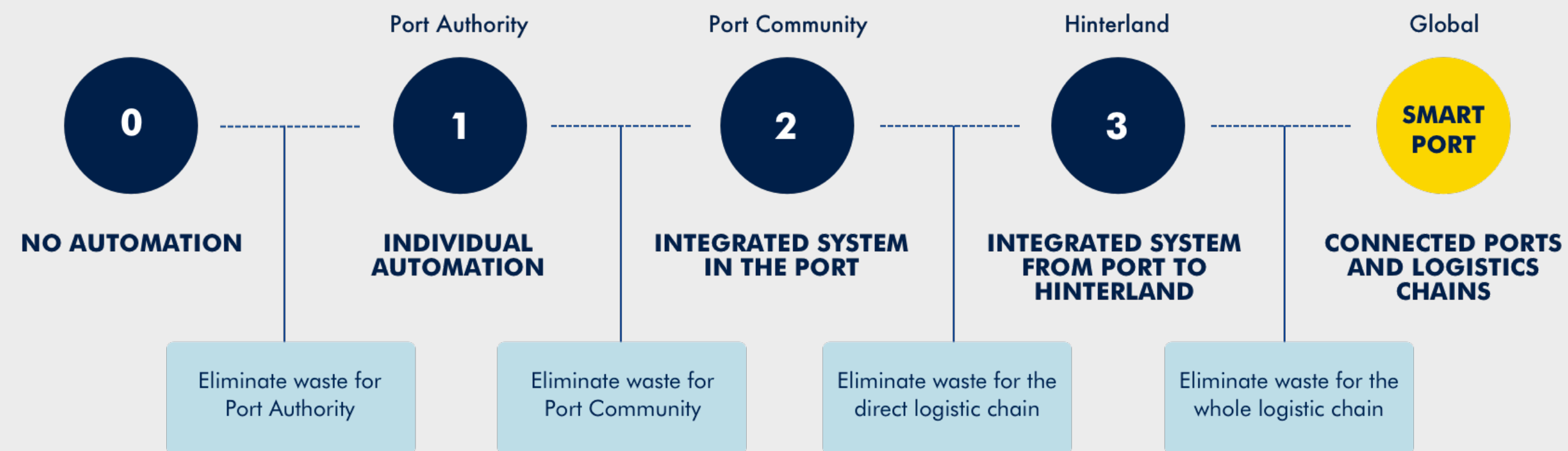




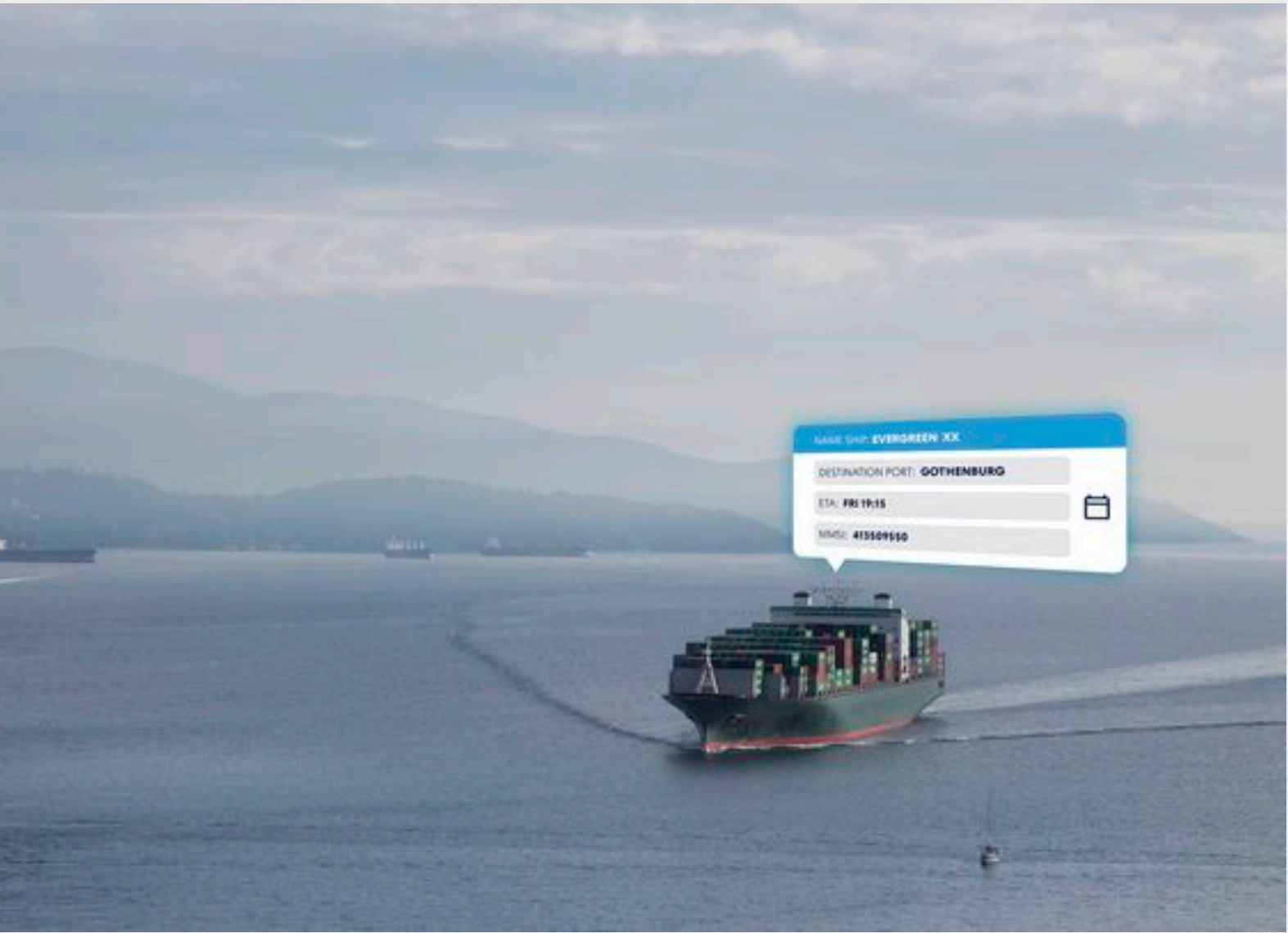
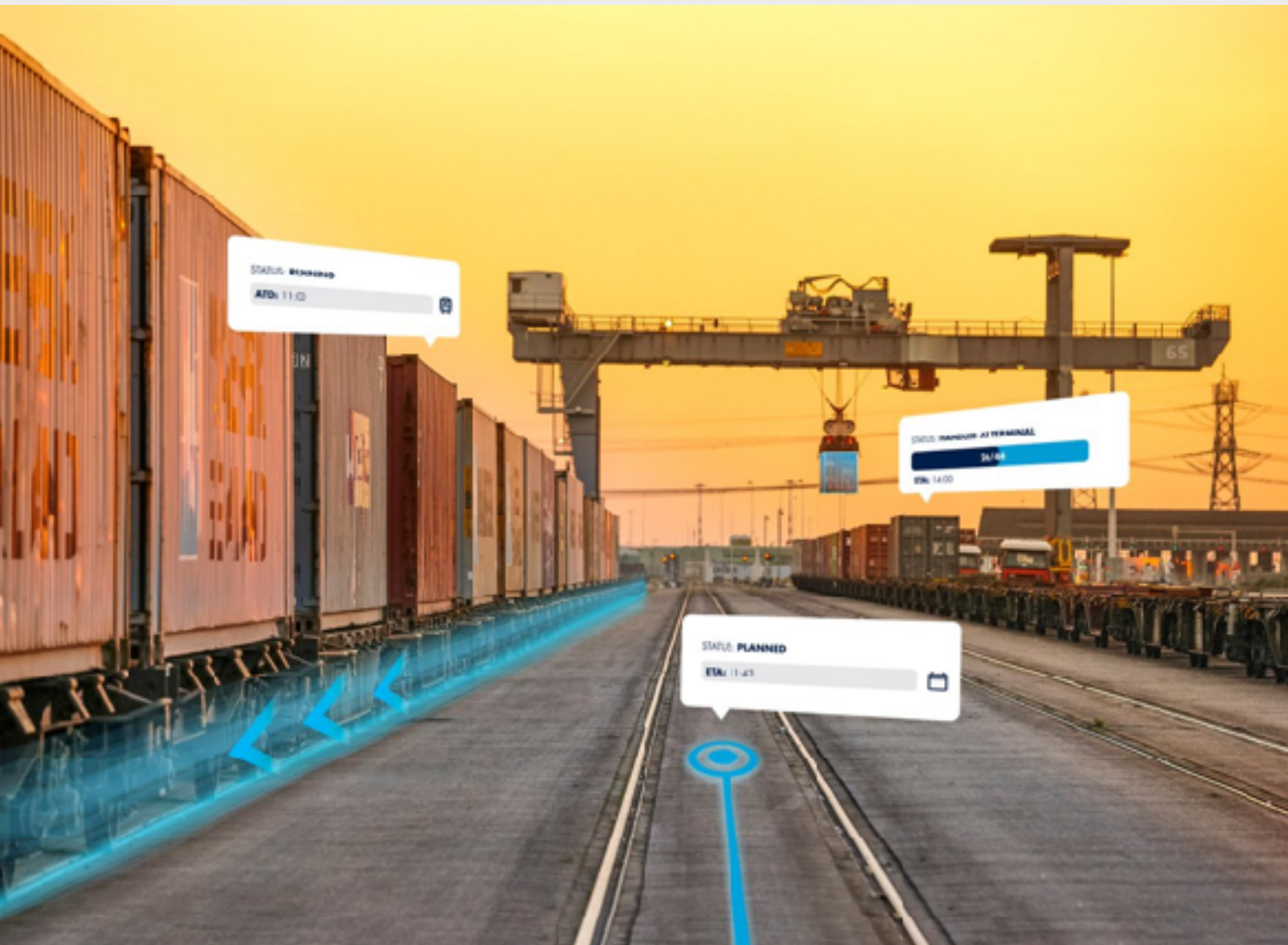










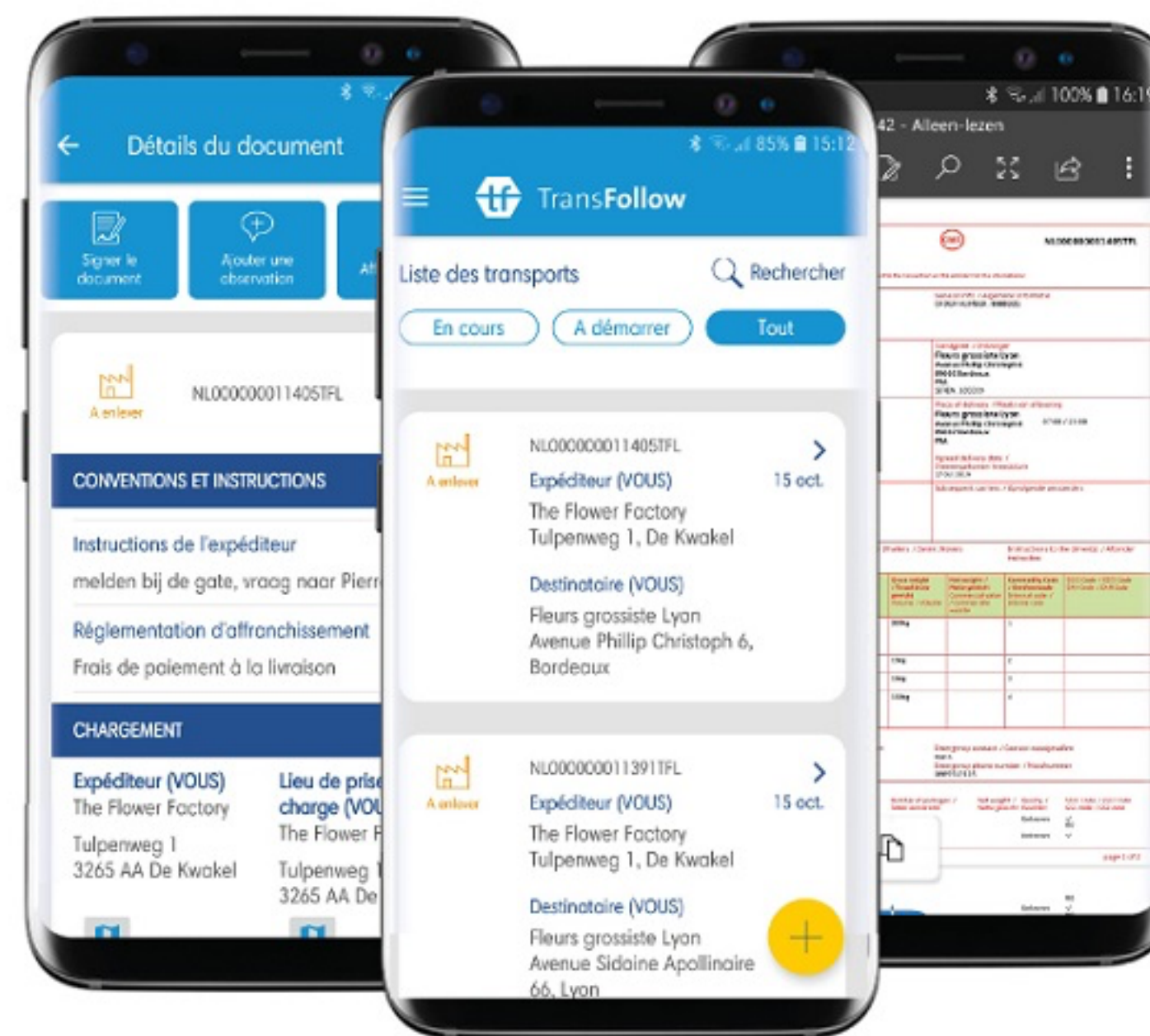
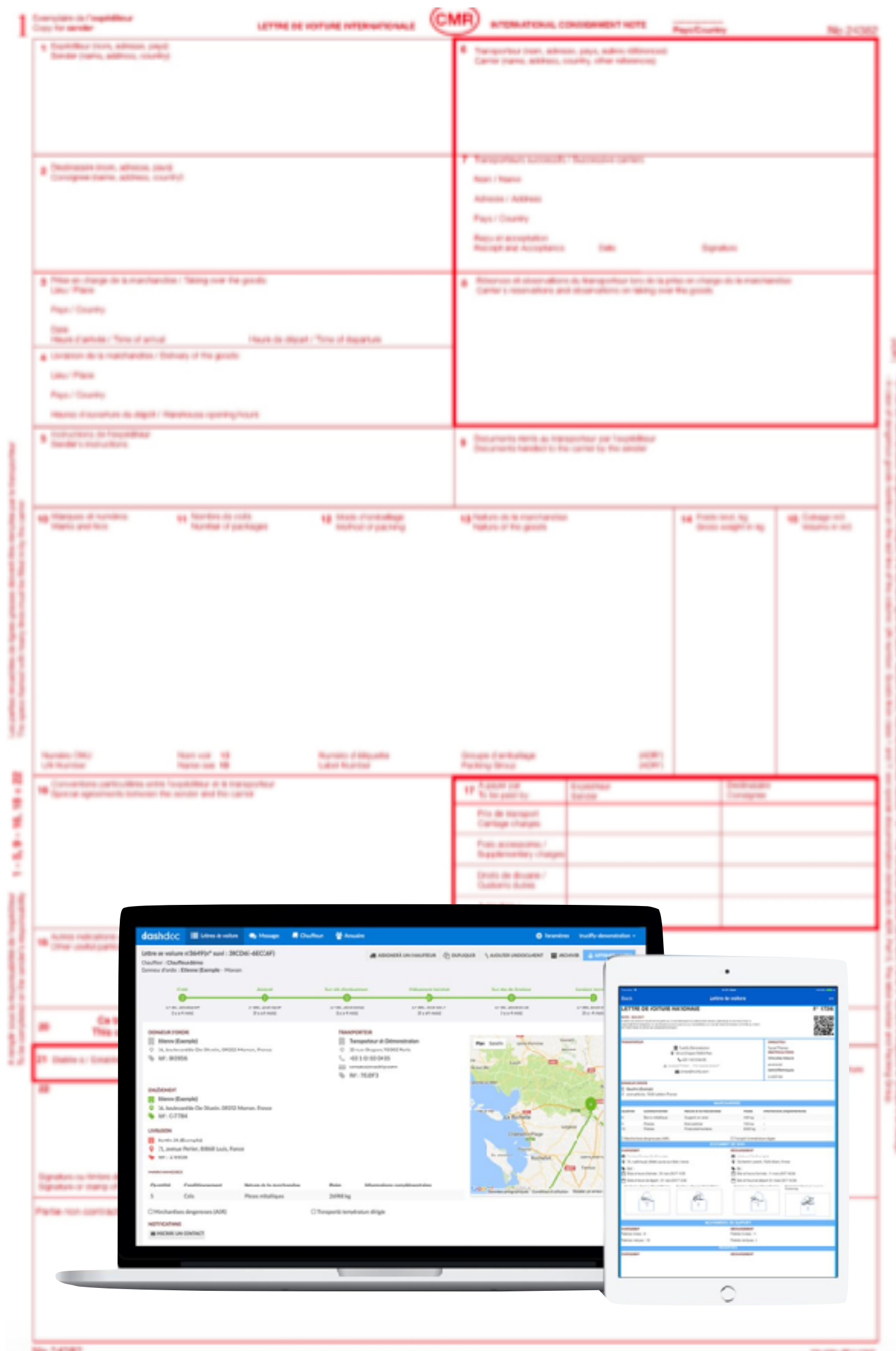




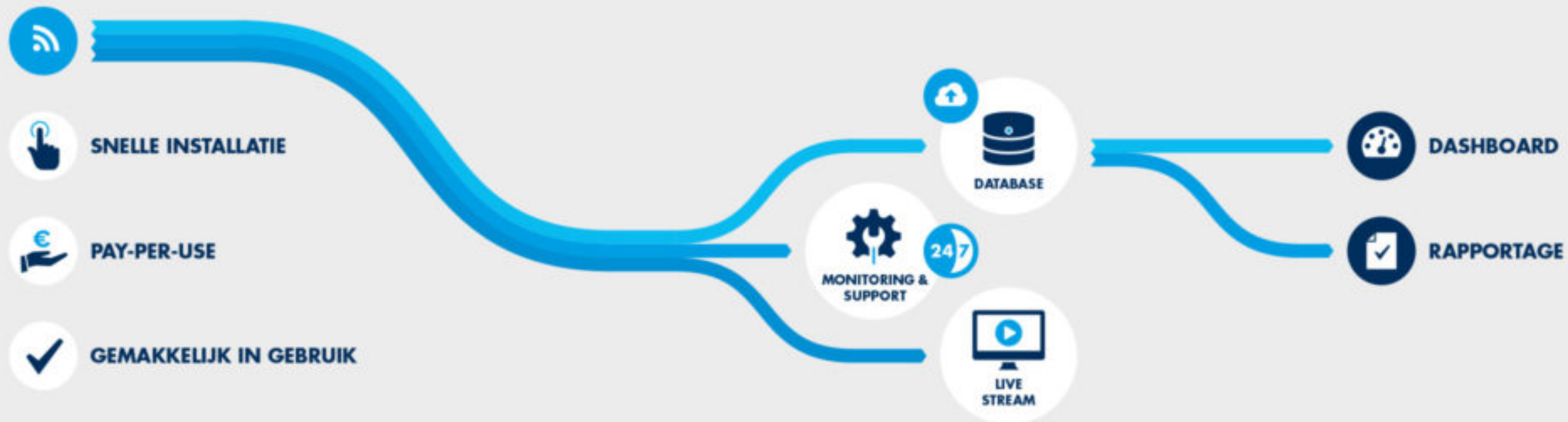
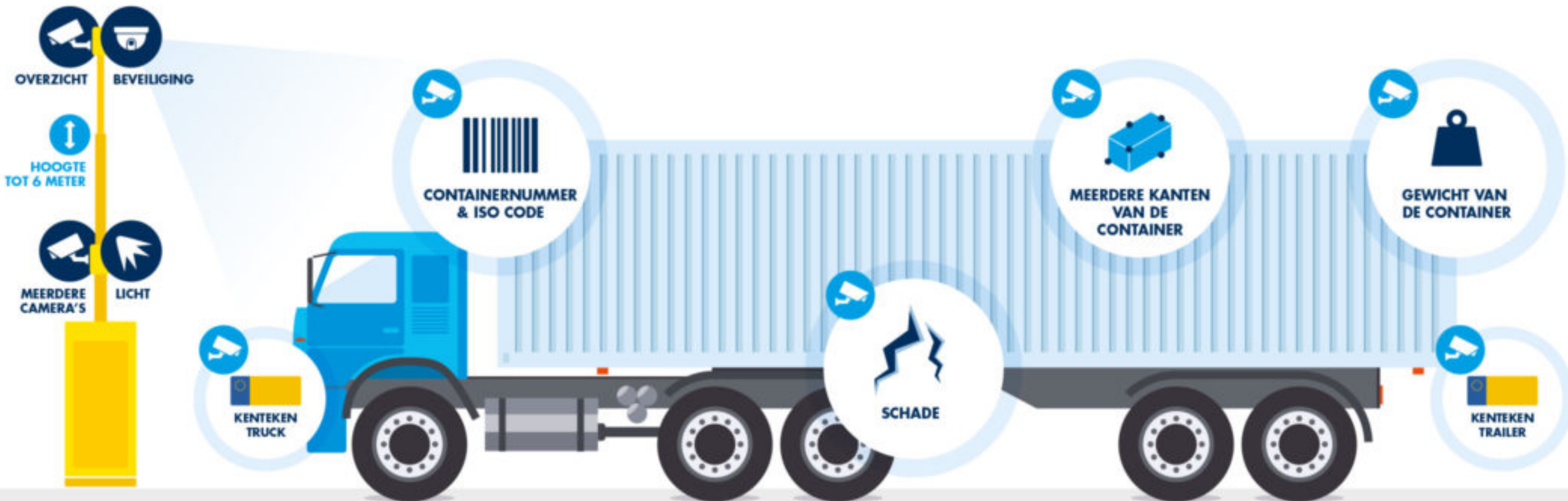


# container release













PART THREE

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# **collaborative transformation**





recap - what is the problem?

# limited transparency

*in supply chains leads to*

**risks, disruptions and waste (costs)**





what can we do?

*adopt a new*  
**infrastructure**  
*to digitalise and revolutionise international trade*





# ecosystem

network or technology



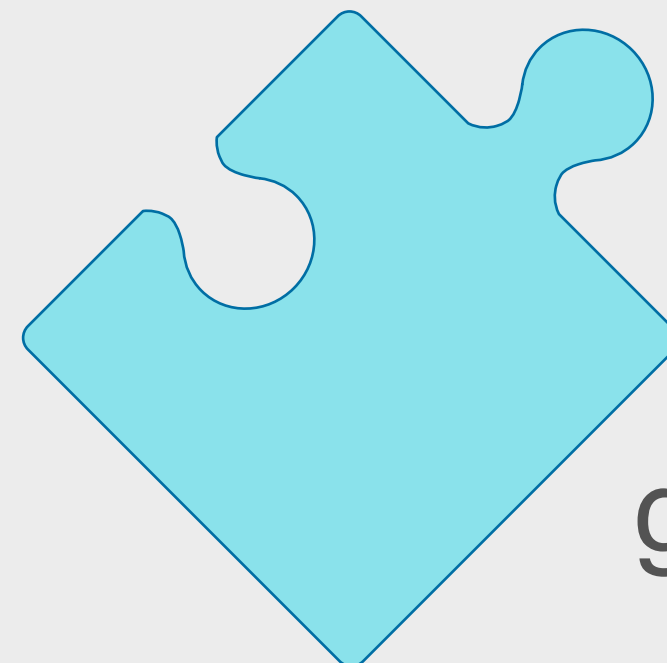
business value (use case)



participants



geography

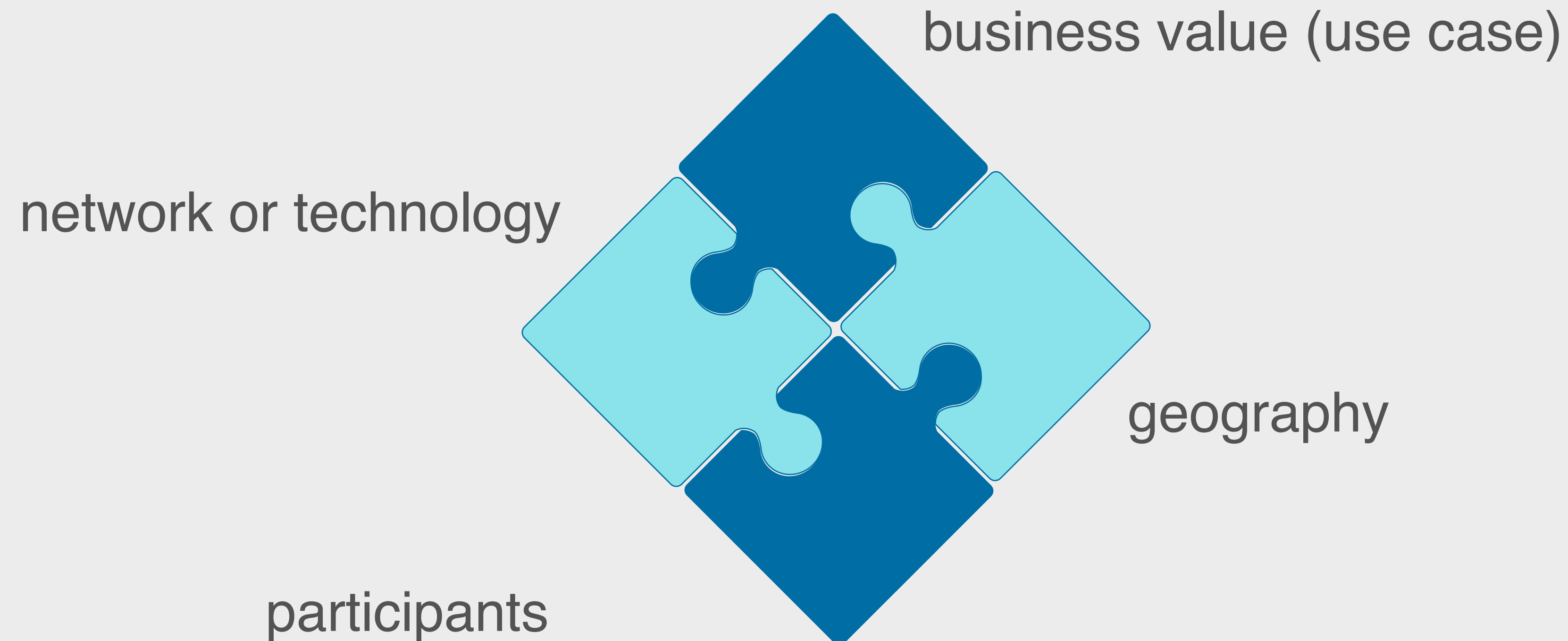






*blockchain enabling*  
**inclusive ecosystem**

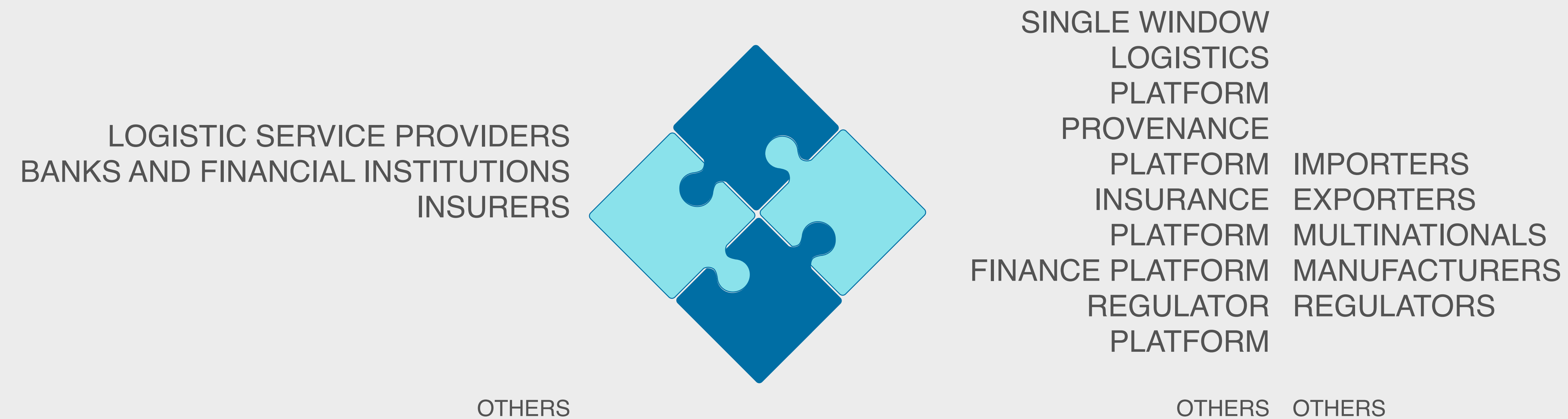
*the missing link in supply chains*







*blockchain enabling*  
**inclusive ecosystem**  
*the missing link in supply chains*

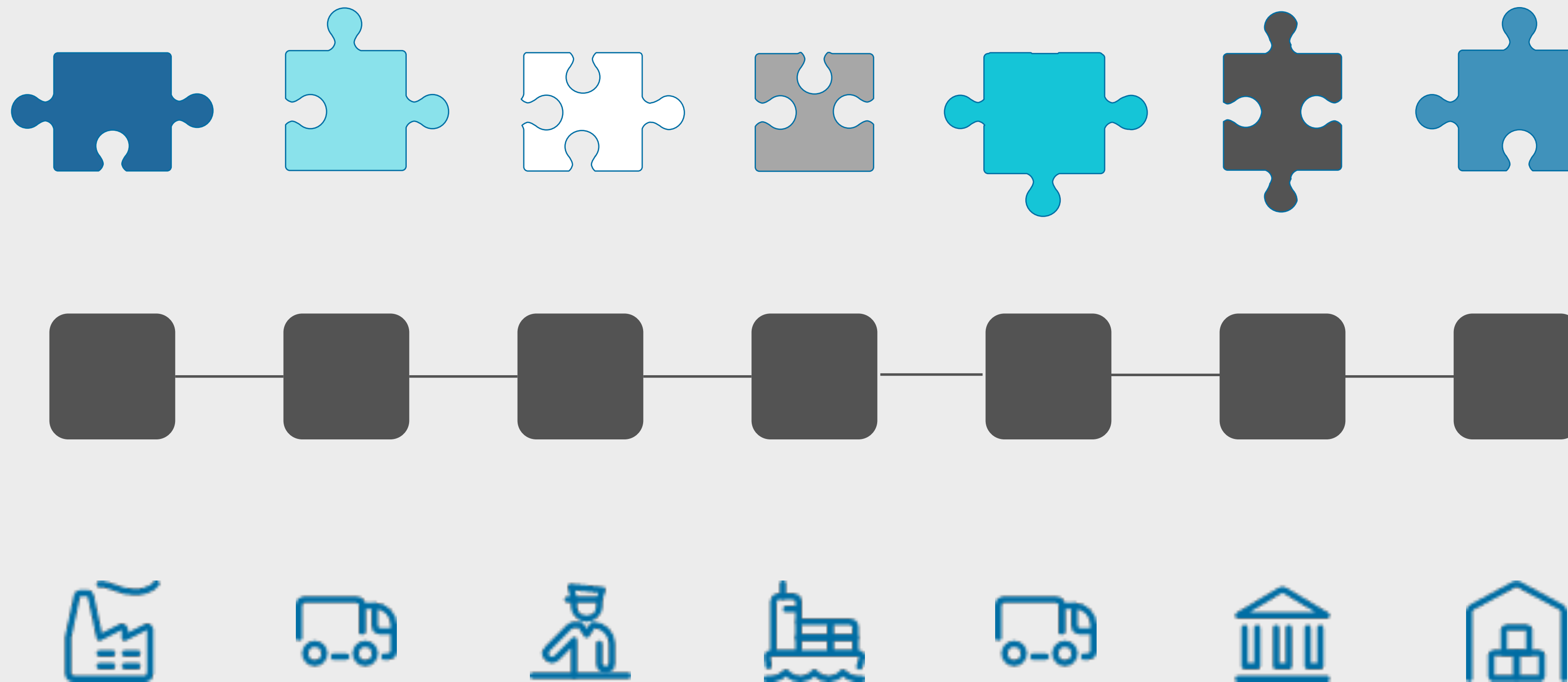






# digital twin

*raising performance and enabling agility*

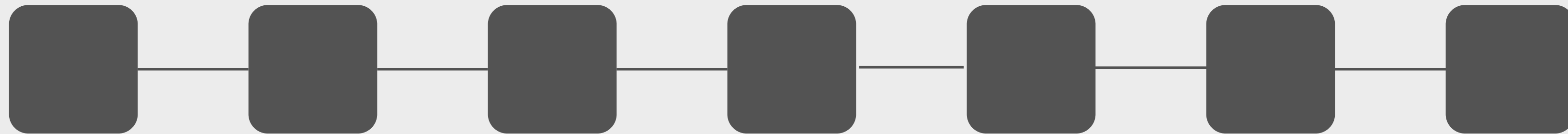
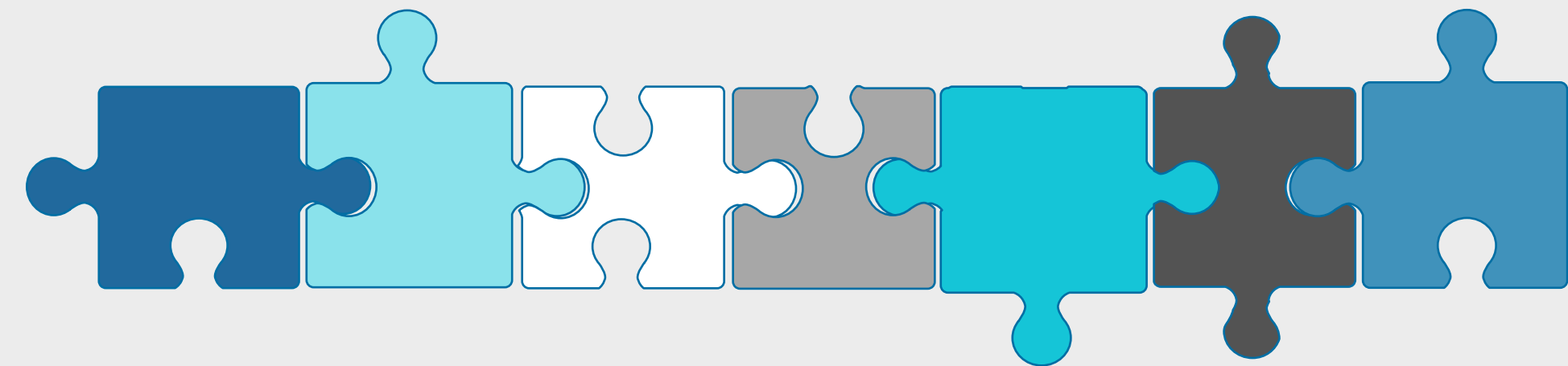






# digital twin

*raising performance and enabling agility*







# digital twin

*raising performance and enabling agility*





*blockchain enables ...*

Blockchain  
can  
enable ...

**inclusive ecosystem**

**digital twin**

**innovative services**



Where rules meet code: Hyperledger Special Interest Group focuses on disruptive Trade Finance digitalization.



<https://wiki.hyperledger.org/display/TFSIG>

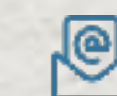
<https://lists.hyperledger.org/g/trade-finance-sig>



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# Nederland van Boven **The hungry jaws of Europe**

VPRO 13 DECEMBER 2011

[→ All videos](#) [→ The Netherlands From Above](#)

The Netherlands from Above. The Netherlands was once almost all swamp, a place where water ruled. Now it's a place where hundreds of ships come to each day, full of oil, cars and containers.





Flowers are on their way to our country from all over the world. View the different routes the flowers take before they end up at the various flower auctions in the Netherlands.



Our onions, peppers, tomatoes and cucumbers are in demand. The Netherlands exports 70 billion worth of agricultural products every year, but also imports a lot. After China, for example, we are the largest importers of soy.

