



# HVCC Hamburg Vessel Coordination Center GmbH

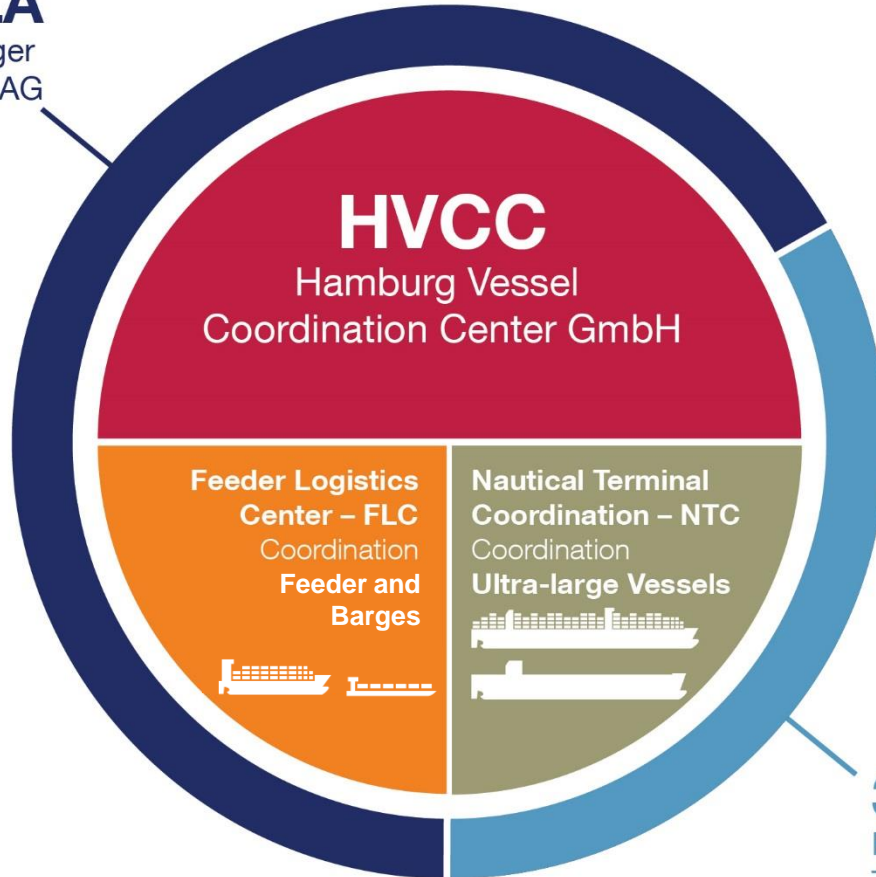
Gerald Hirt, Managing Director HVCC  
November 7th, 2019

# HVCC – a world-wide unique set-up

Who we are

**66% HHLA**

HHLA Hamburger  
Hafen und Logistik AG



- Successful cooperation of HHLA and EUROGATE since 2004
- Independent limited company founded in 2009 (*FLZ Hamburger Feeder Logistik Zentrale GmbH*)
- Since November 2015 registered as HVCC Hamburg Vessel Coordination Center GmbH
- Departments:

## **Feeder Logistics Center (FLC)**

Coordination of feeder vessel and barges approach, rotation- and stow-planning of feeder vessels and barges

## **Nautical Terminal Coordination (NTC)**

Operational coordination of ultra-large vessels during the approach and departure

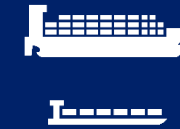
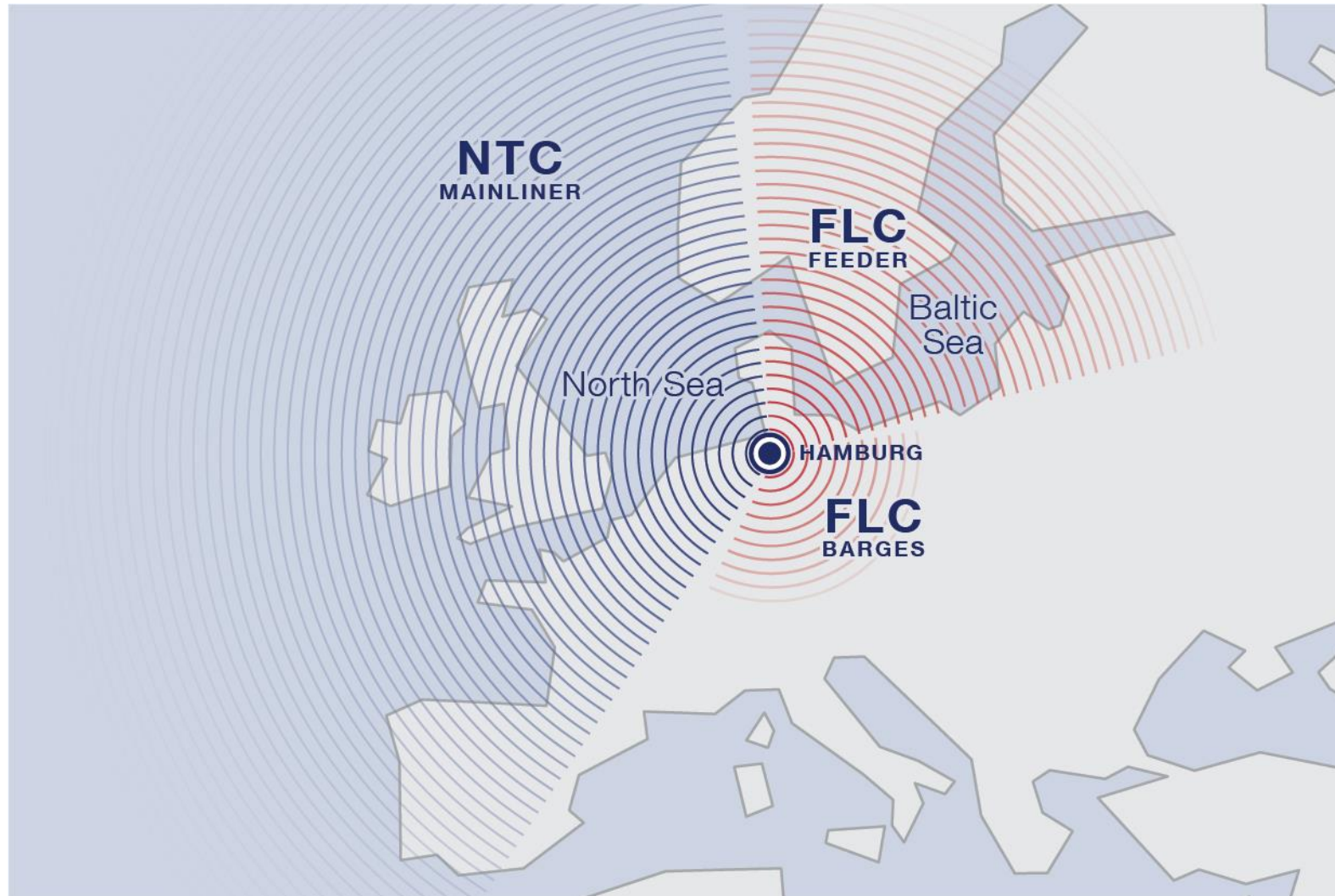
**34% EUROGATE**

Eurogate Container  
Terminal Hamburg GmbH



# Active vessel coordination in collaboration with all relevant stakeholders

Geographical coverage of HVCC and achievements in 2018



**4,000**  
feeder / barge  
terminal calls  
coordinated

**3,000**  
calls of  
relevant vessels  
coordinated



**3,300**  
passage plans  
distributed



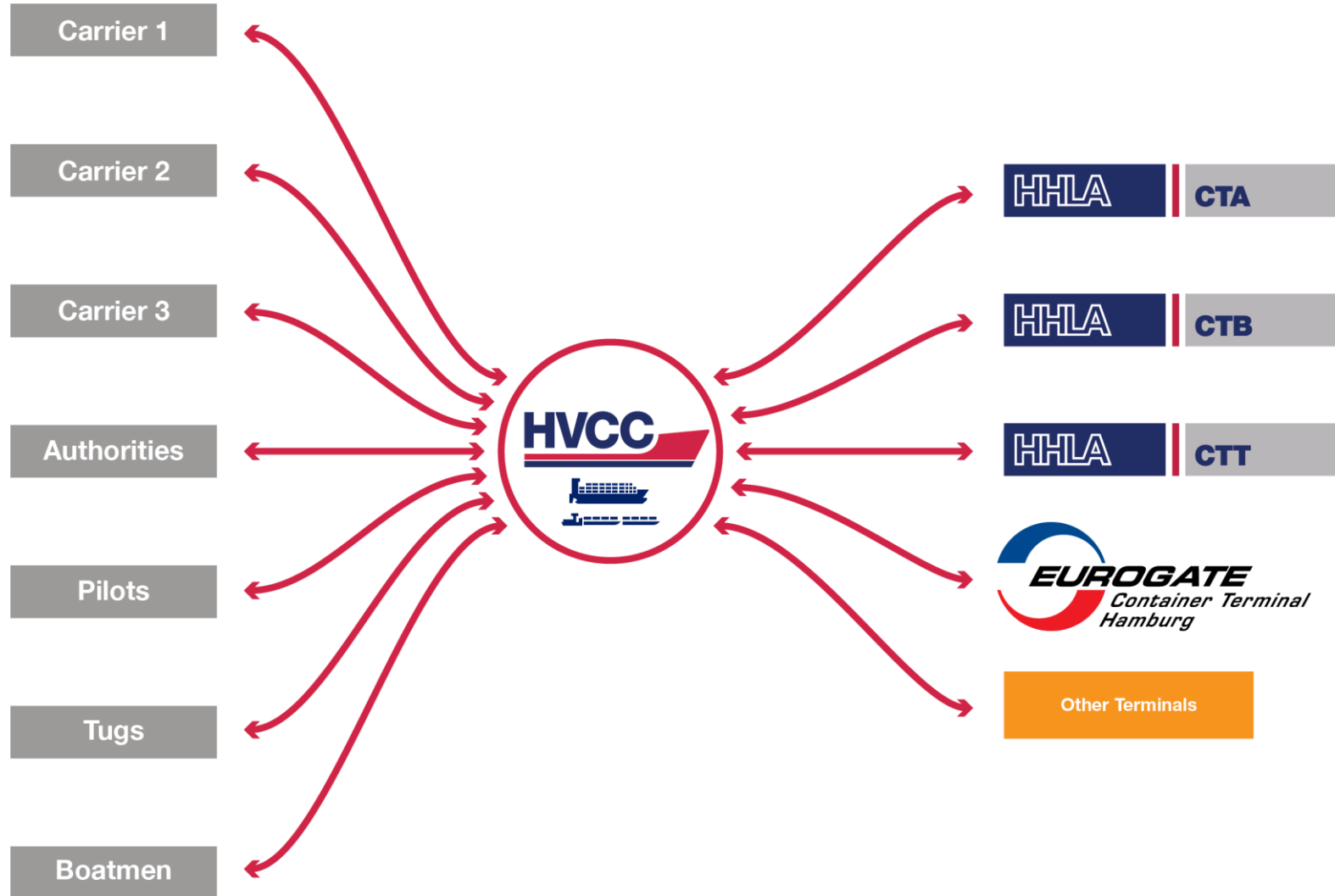
# Company Presentation HVCC

Department Feeder Logistics Center (FLC)



# FLC optimises vessels' port call and utilisation of terminal infrastructure

FLC central role between carriers, service providers and terminals

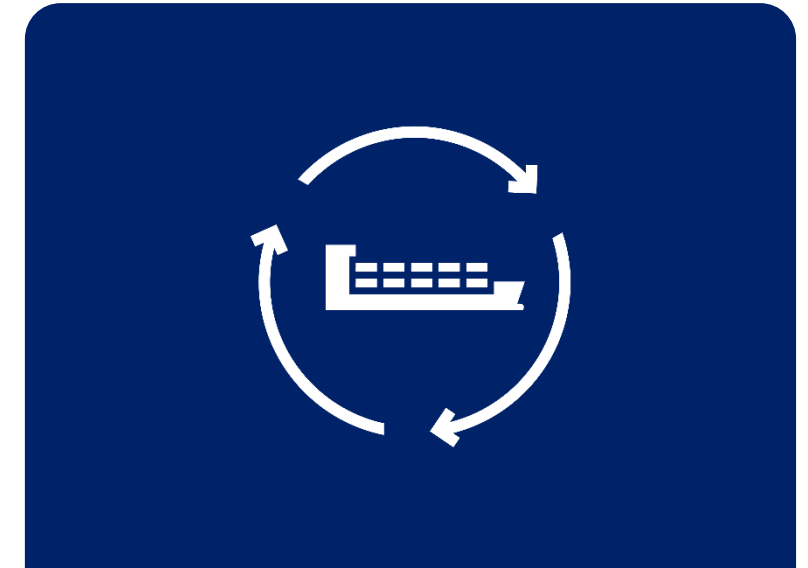
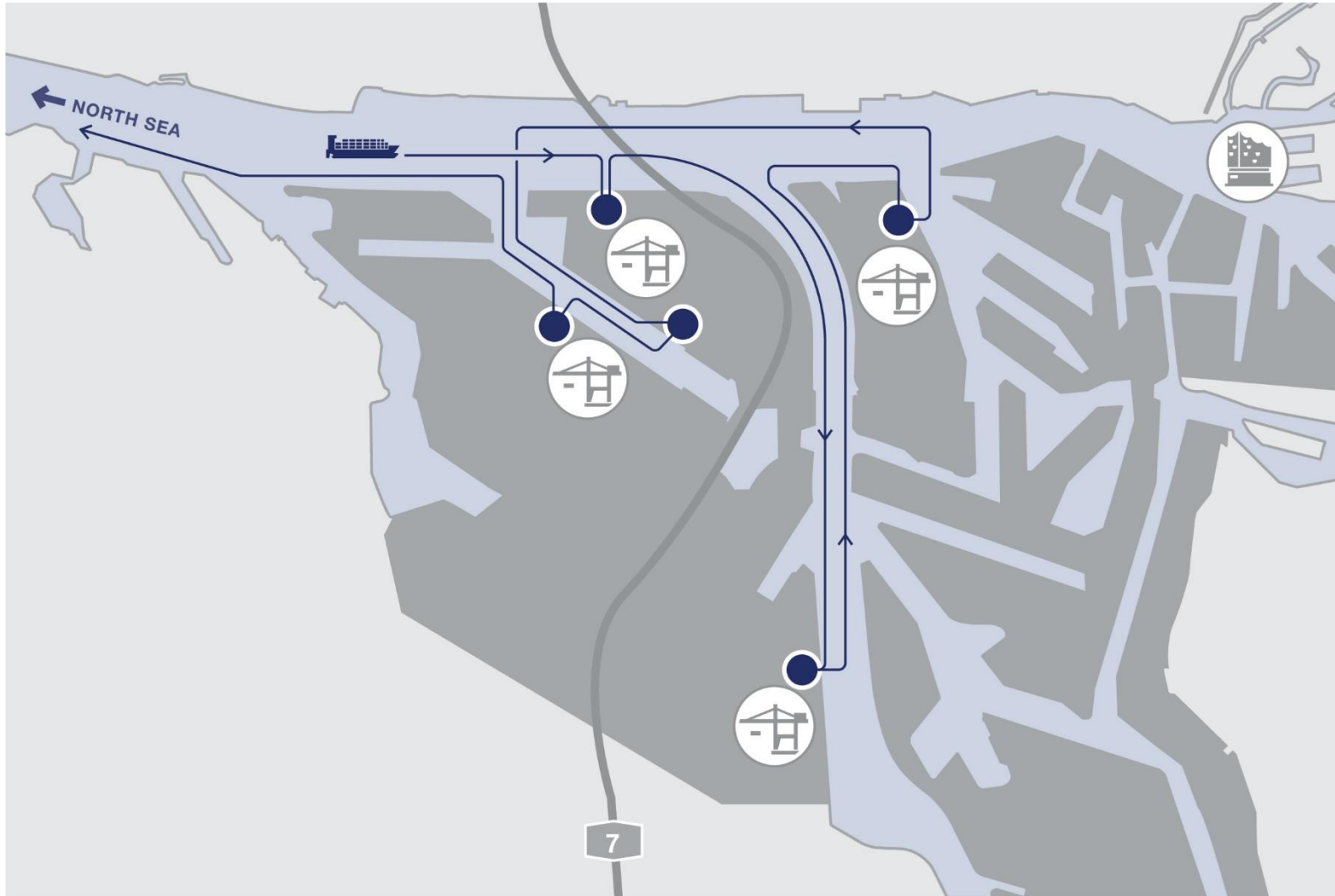


- Neutral platform and single-point-of-contact for planning of feeder vessels / barges and coordination of Hamburg port calls and port rotation
- Services
  - Passage & rotation planning
  - Stow planning / Central Planner function within the Port of Hamburg
  - Any ad-hoc changes in rotation and stow planning
  - 24/7 operational
- 12 staff members from all relevant shipping areas



# FLC coordination services save time and bunker

Positive effects of a central coordination service



Approx. **2,000**  
vessel operating hours saved  
in 2017 through effective  
coordination

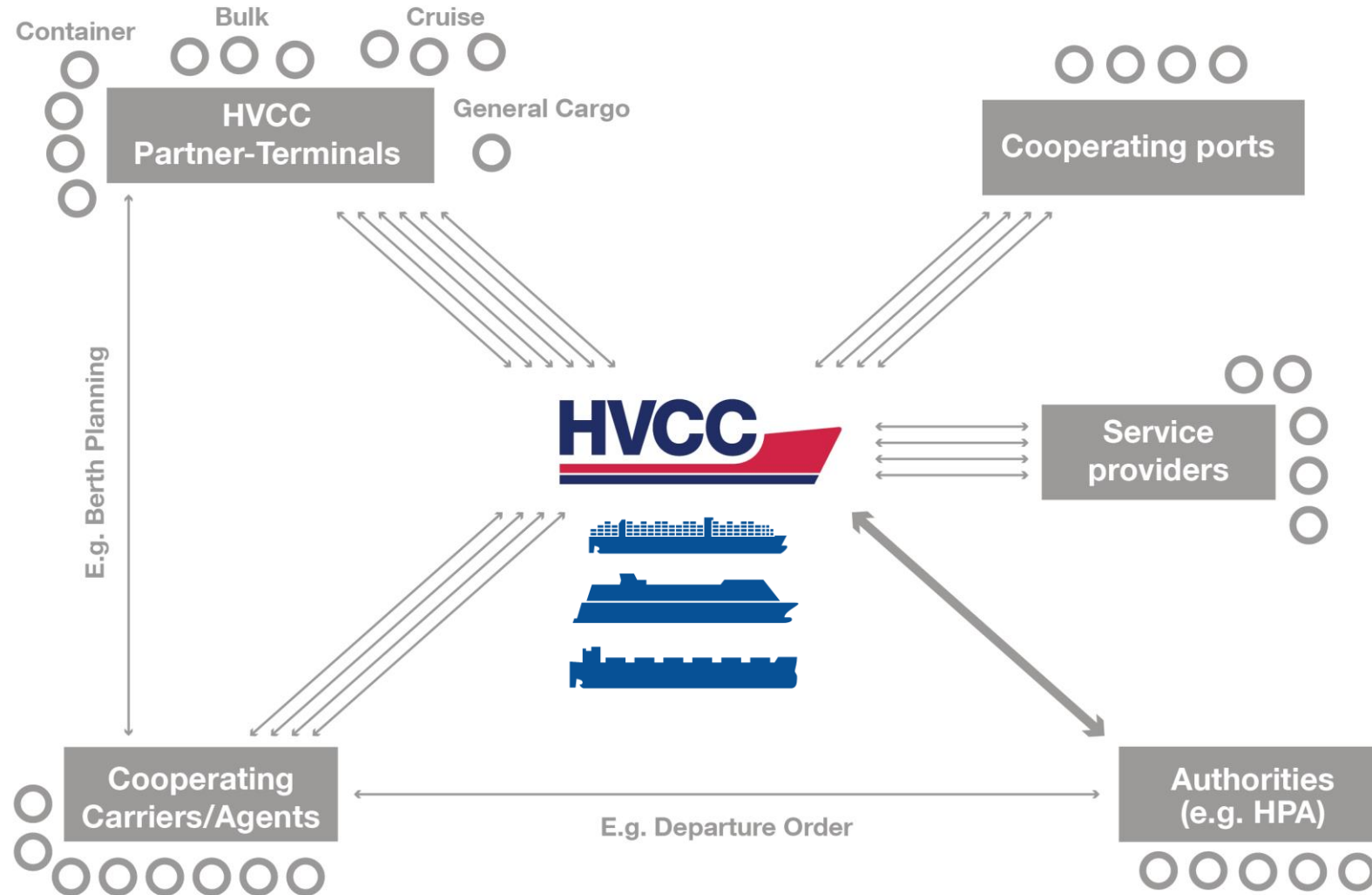
# Company Presentation HVCC

Department Nautical Terminal Coordination (NTC)



# NTC pools operational planning of several stakeholders

## NTC communication channels

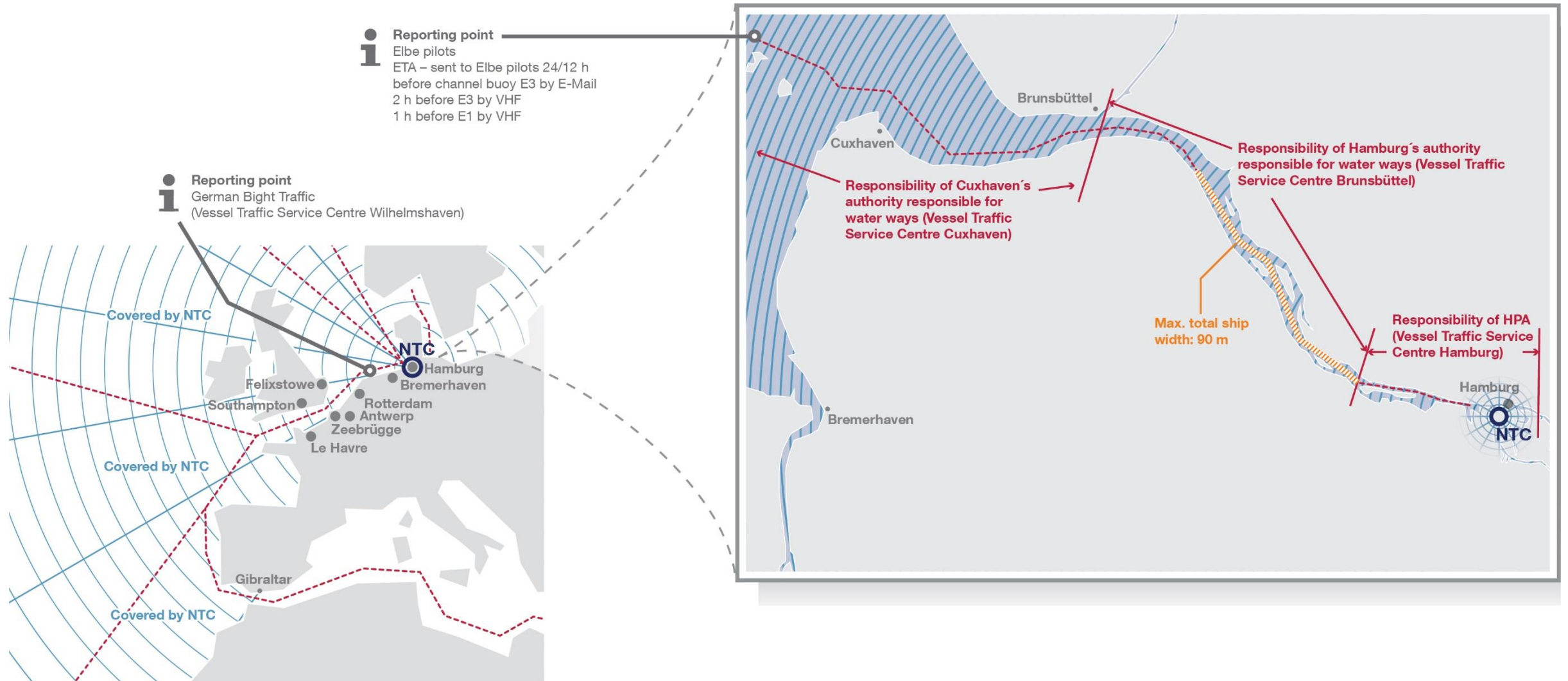


- Collaboration and pooling of communication channels
- Identification of knock-on effects in good time in order to find optimal operational solution to traffic situations
- New collaborative process: no more pushing through individuals' interests
- Cooperating ports are actively involved via recently implemented interfaces and data exchange



# Vessel coordination throughout Northern Europe

NTC's geographical focus extends far beyond sovereign jurisdiction



# Adjusting speed on transit to Elbe approach

NTC distributed 2018 more than 3,300 passage plans for an optimal speed instruction



If sailing with 14 kn  
instead of 18 kn

**22t**

bunker savings

**66t**


less CO<sub>2</sub>-emissions





# Company Presentation HVCC

## HVCC Collaboration Platform

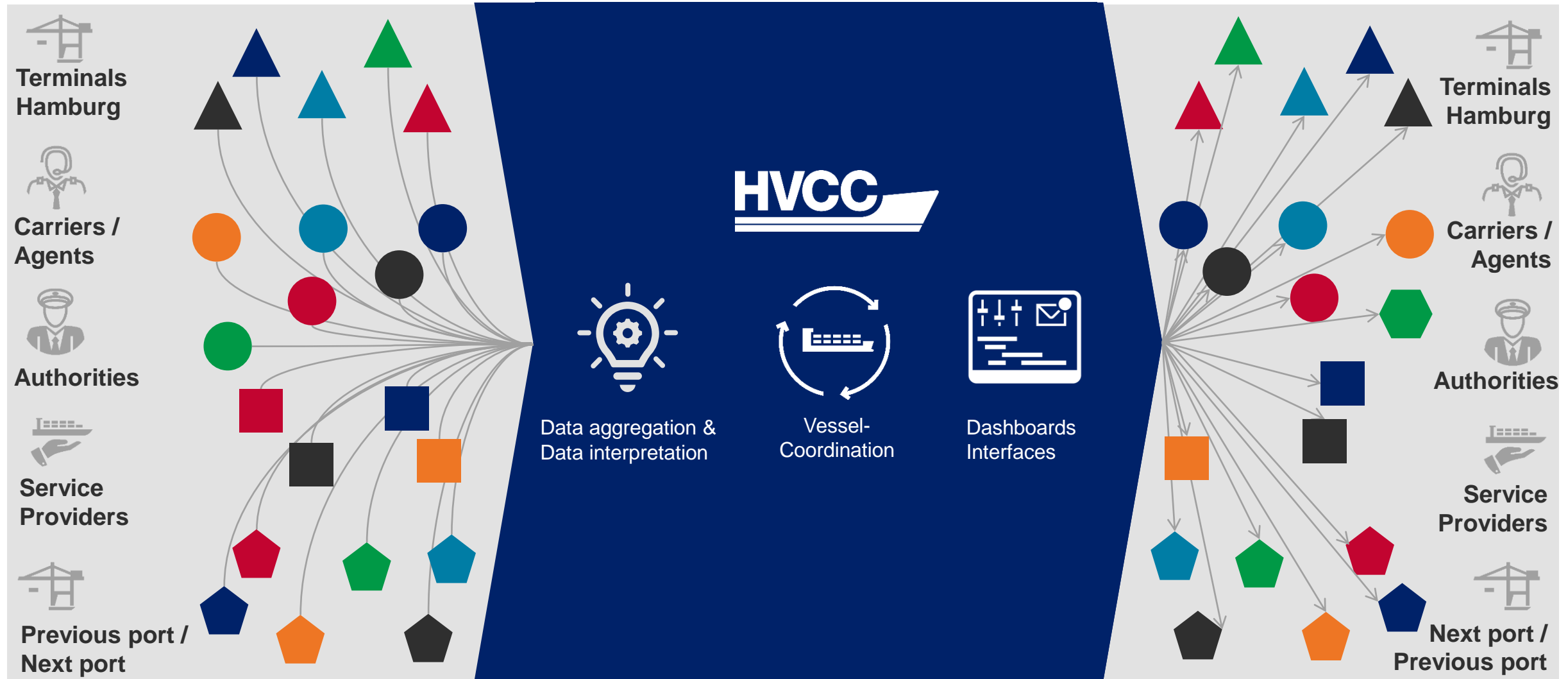


*“An enormous opportunity for shipping lies in the **networking of ships and ports**. The basis [...] is the **collection of data and its intelligent linking** [...] so that logistics chains can be **optimally controlled and efficiently organized in real time**.“*

Source: „Shipping in times of digital change“, Berenberg Bank / HWWI, 2018

# HVCC developed a unique port collaboration platform

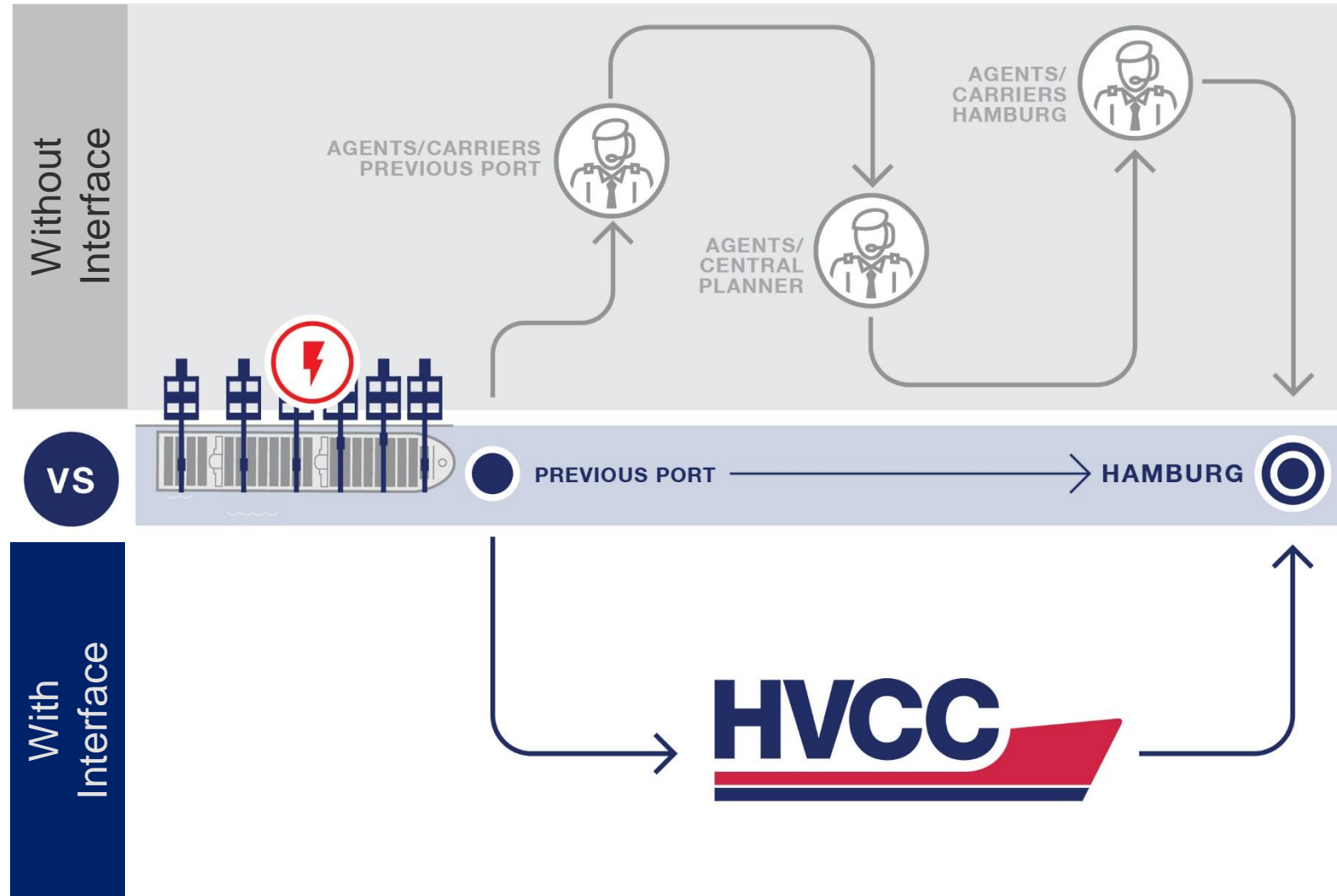
Result: One single truth across all stakeholders





# Direct data exchange with partnering ports

Quick response in case of operational changes



## Traditional process

- Long communication lines across several stakeholders
- Slow responsiveness
- Breaks in communication

## Fast responsiveness

- Direct data exchange via HVCC platform
- Ad hoc notification to all stakeholders in case of operational changes
- Port of Rotterdam first partner, currently talks with several terminals / authorities to connect

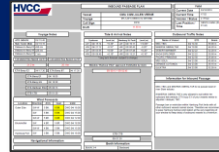
# Direct connectivity between ports, carriers and vessels

Exchange of ports' requested time of arrival and vessels' planned time of arrival

today

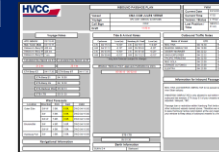


Passage Plan as pdf  
via Email

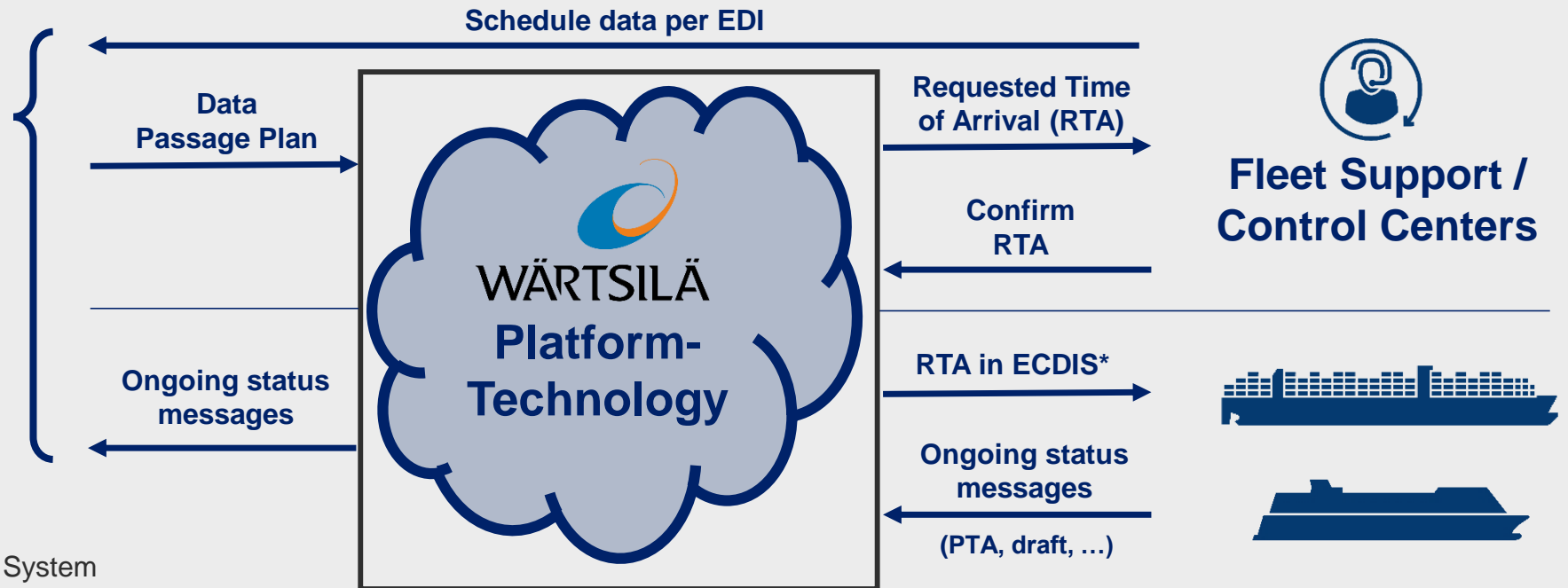


  
Fleet Support /  
Control Centers

Forward pdf  
via Email



idea



\* Electronic Chart Display and Information System



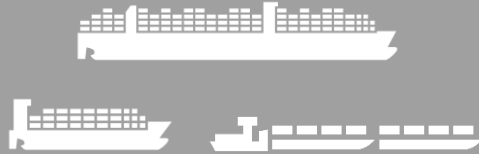
# Benefits from HVCC 24/7 services

## Overview



### Terminal

- Optimised berth utilisation and planning of terminal resources
- Single point of contact
- Central data aggregation and vessel coordination



### Carrier

- Optimised passage towards Port of Hamburg
- Port call optimisation
- Bunker savings



### Port / Authorities

- Efficient use of port infrastructure
- Pre-planning / sequencing of vessels across Northern Europe



### Service Providers

- Overview of overall traffic situation
- Optimised planning of individual resources
- Improved service quality to customers



**One single truth and reduction of emissions**



# Thank you for your attention!

[www.hvcc-hamburg.de](http://www.hvcc-hamburg.de)

