

Tidalis

How can vessel traffic management and Port Management contribute to a greener port.

Aim: Preventing and reducing waiting times throughout the logistic chain

Speaker

- After serving 18 years in The Royal Netherlands Navy, Pieter joined Tidalis (or previously named “HITT Holland Institute of Traffic Technology B.V.” / “Saab Technologies B.V.”) and started his second career in the Vessel Traffic Services (VTS) domain.
- In the last 20+ years, Pieter is active in VTS business in Europe, South America and Asia. As a permanent resident in Hong Kong, Pieter is responsible for all Tidalis business within APAC.



Pieter van Vrijberghe de Coningh
Managing Director
Tidalis APAC Limited

Who are we?

➤ Tidalis leads the way in real-world impact and innovation. With a team spanning EMEA, APAC and the Americas, we bring over 50+ years of combined experience delivering cutting-edge technology solutions to the maritime industry.

Offices

4

Nationalities

26+

Employees

200

Ship transits daily

600+

Users

8k+

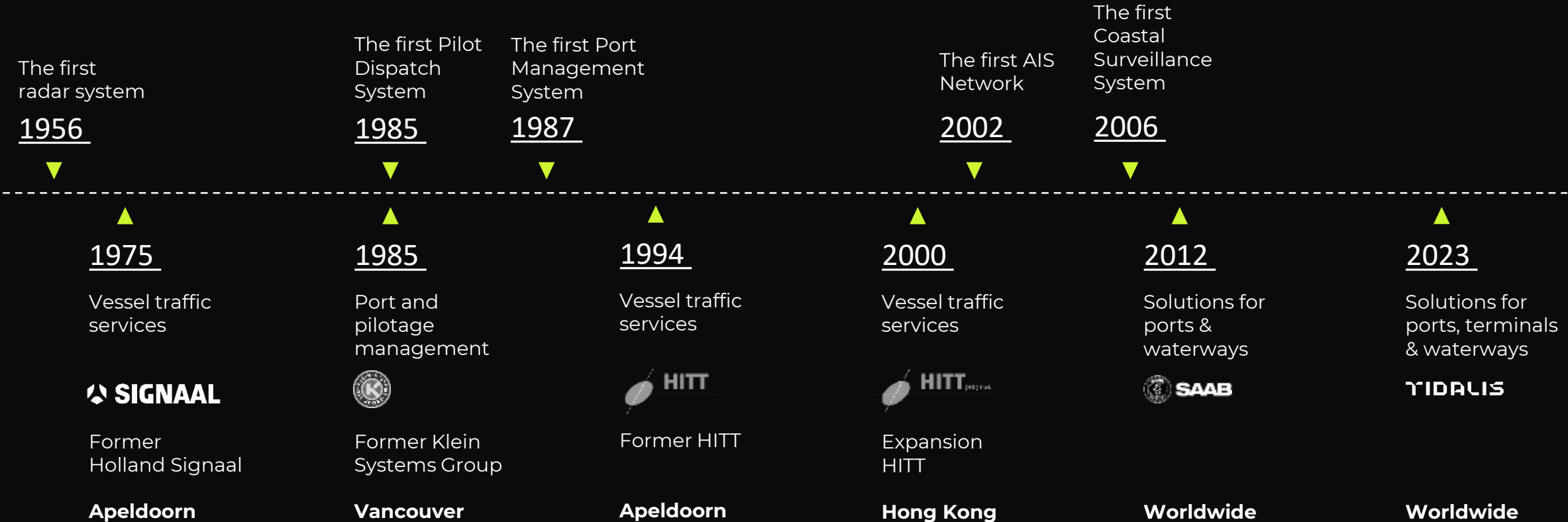
Vessels tracked daily

70k+

Tidalis over the years

Background

Decades of experience



Well established roots

Installed Base

Our customers are located around the world



References

214

Companies

111

Ports

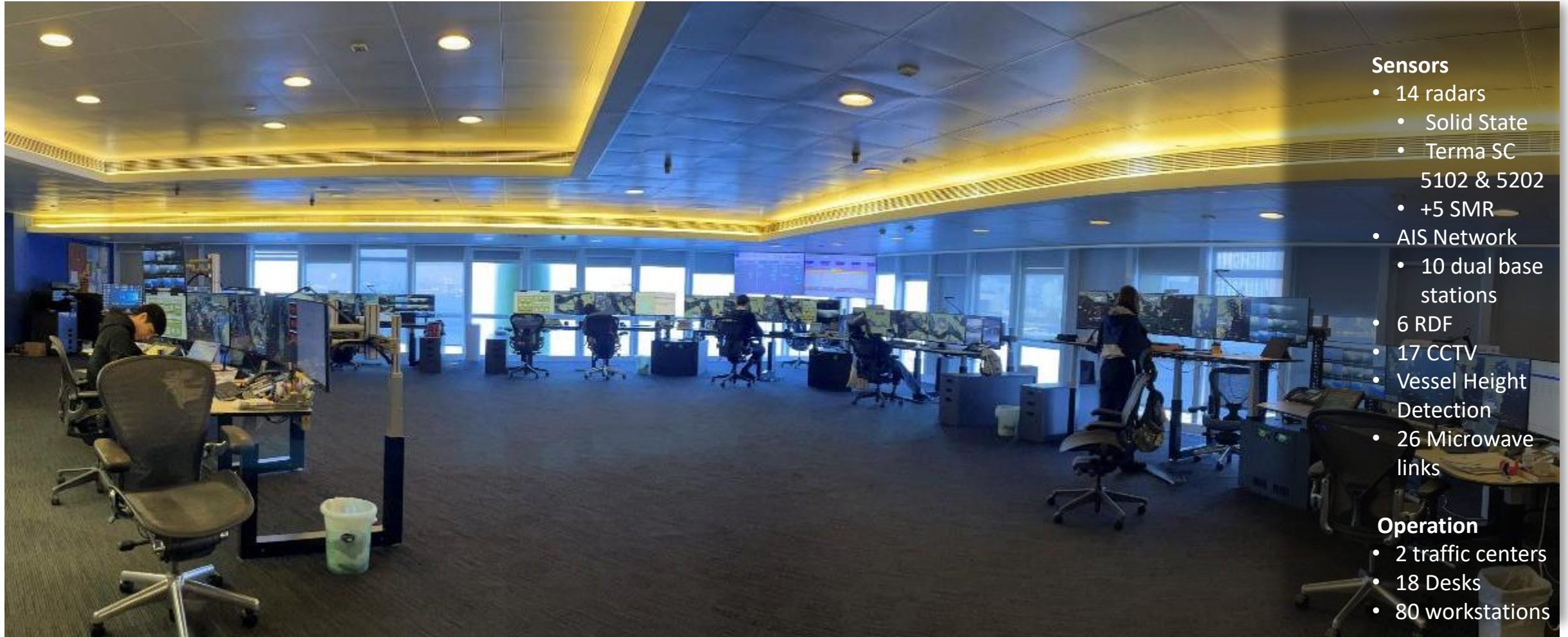
179



Some specific references

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Hong Kong



Sensors

- 14 radars
 - Solid State
 - Terma SC 5102 & 5202
 - +5 SMR
- AIS Network
- 10 dual base stations
- 6 RDF
- 17 CCTV
- Vessel Height Detection
- 26 Microwave links

Operation

- 2 traffic centers
- 18 Desks
- 80 workstations

Port of Rotterdam

The Netherlands



Sensors

- 43 radars
 - X-band
 - Magnetron
 - Solid state
- 6 AIS base stations
- 3 RDF
- 37 CCTV cameras

Operation

- 2 traffic centers
- 20 VTSO desks

Our Solutions

No matter the size of the operation, we have a solution



TIDALIS

Our solutions

An essential range of real-time processing and operational management tools

↗ Vessel Traffic Service

The indispensable tool to ensure safe and efficient shipping

FOR PORT AND WATERWAY
AUTHORITIES

↗ Port Management

Manage vessel visits, port operations, property and billing in one integrated solution

FOR PORT
AUTHORITIES

↗ Pilotage Management

Get the right pilot for the job, one source of truth for data and automated billing

FOR MARITIME PILOTS

↗ Coastal Surveillance

Full situational awareness to make every operation count

FOR COASTGUARDS

↗ MSG

SaaS tooling to provide fast and reliable access to maritime data, enabling data-driven decisions and supporting modern nautical operations.

FOR NAUTICAL OPERATIONS



Vessel Traffic Service and Coastal Surveillance

MaritimeControl

- In line with IALA recommendations
- Highly reliable, field-proven, solution
- Scalable from single AIS receiver / single display systems to nation-wide coverage
- Versatile: coastal regions, ports, inland waters and infrastructure protection at sea

‘One of the things that has always continued to work in our port in the past two decades is the Tidalis VTS system.’

Telecommunication Manager,
Port of Antwerp

Traffic centres

70+

Years of loyalty

25+

Uptime

99.995%

Highly reliable



Best in class tracking



Port Management

PortControl

- Vessel planning / Visit management
- Collaborative decision making
- Resource management
- Purpose-built maritime billing
- Extensive reporting

‘We decided to work with Tidalis because of their track record. They have the best mix of functionality, cost and proven results in the market.’

Captain Allan Gray,
President and CEO of the Halifax Port Authority

Installations

100+

Vessel calls / day

700+

Yearly invoices

\$ 2.4 Billion

Scalable



Modular



MSG Made Smart Group

➤ Maritime Data Services

- Maritime operational intelligence
- Cloud based analytics solution
- Enhanced safety efficiency
- Connected information ecosystem
- SaaS platform by subscription



ETA predictions days before vessel arrival



Vessel compliancy checks and due diligence



Monitoring CO₂ emissions in port area



Accurate sensor-free weather predictions



Managing dredging campaigns



Automated port analytics reporting

MSG features

One platform, multiple easy to use integrated modules

➤ Real-time

OPERATIONAL CONTROL CENTRE (OCC)

- MSG ChartServer: Up to date world-wide nautical charts
- MSG Forecaster: Weather, sea-states and tides, meteorological tide and tidal current
- MSG Tracker: Live AIS Tracking of assets, with multiple functions and data sources
- MSG Fleet manager: Easy focus on fleets
- MSG Navigator: Advanced passage planning tool
- MSG Cartographer: Geometry management, define and share geo-tagged information
- MSG Spotter: Notifications and alerts, time lines

Service-oriented architecture

One platform, multiple easy to use integrated modules

Human
Machine
Interface



Machine
To
Machine



Application Programming Interface (API)

Service Suite

Route Services	VTS Services	Traffic Services	Radar Services	AIS Services	ENC Services	EDI Services
Mail Services	Meteo Services	Alarm Services	Video Services	Security Services	STM. Services	 Services

Internet of Things (IoT)



Third party Data Providers

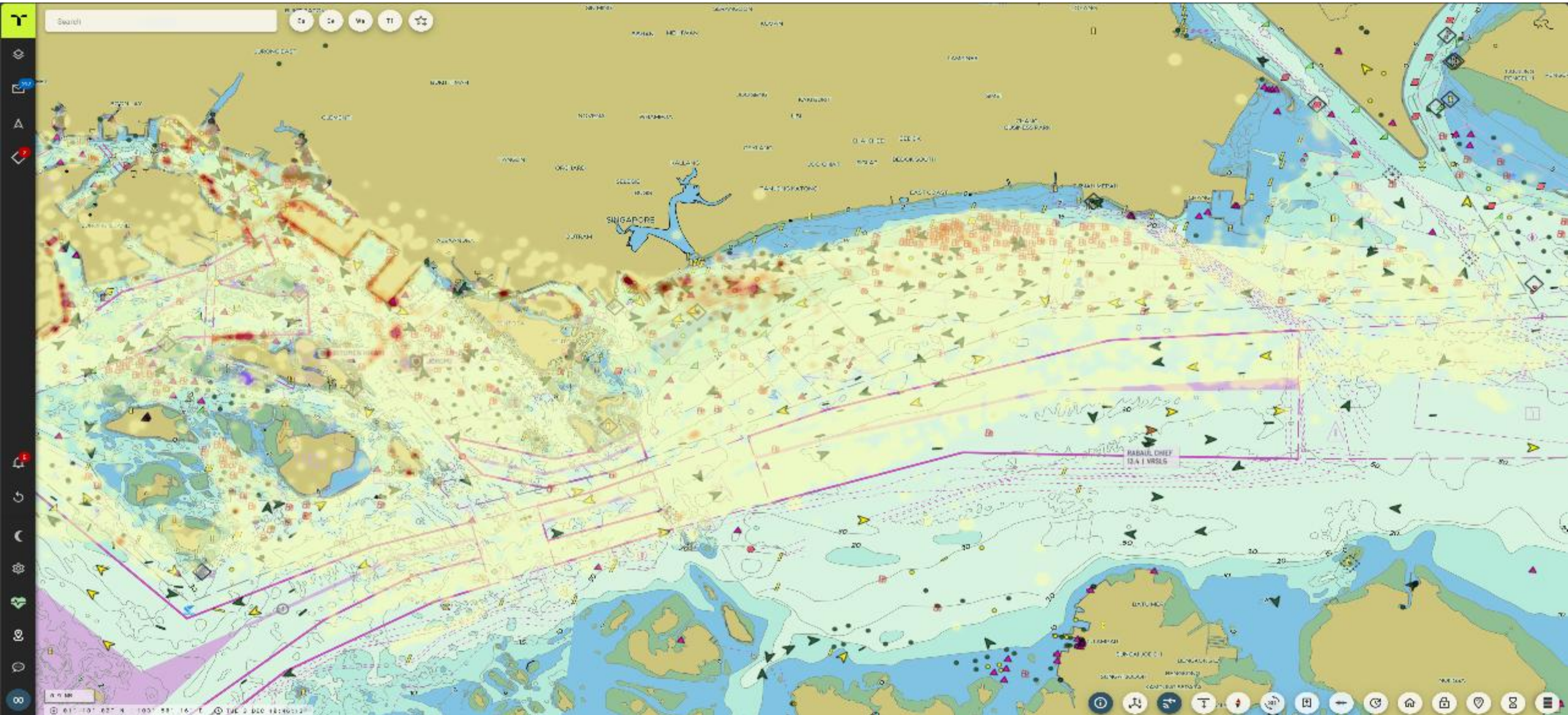




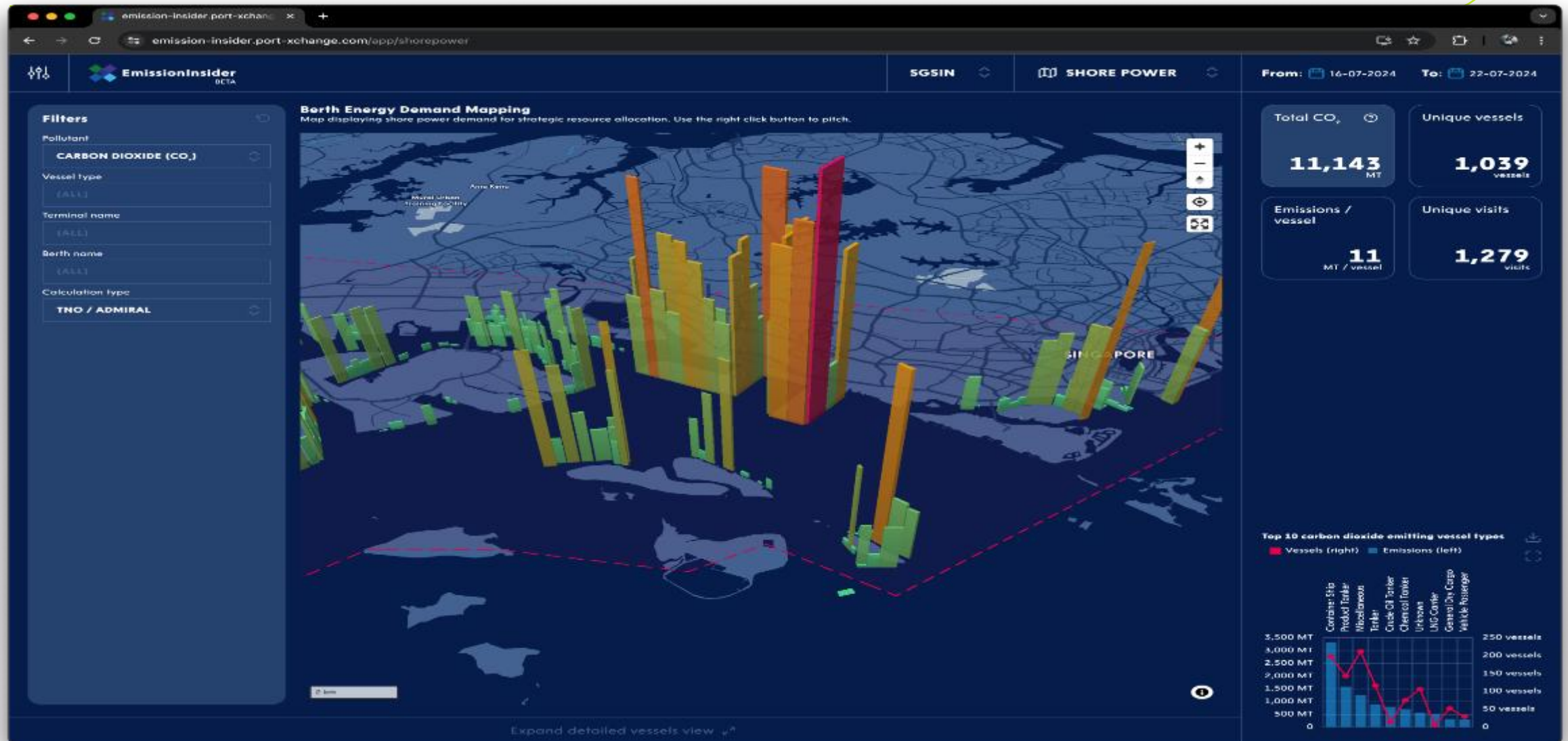
How does this support
Green ports?

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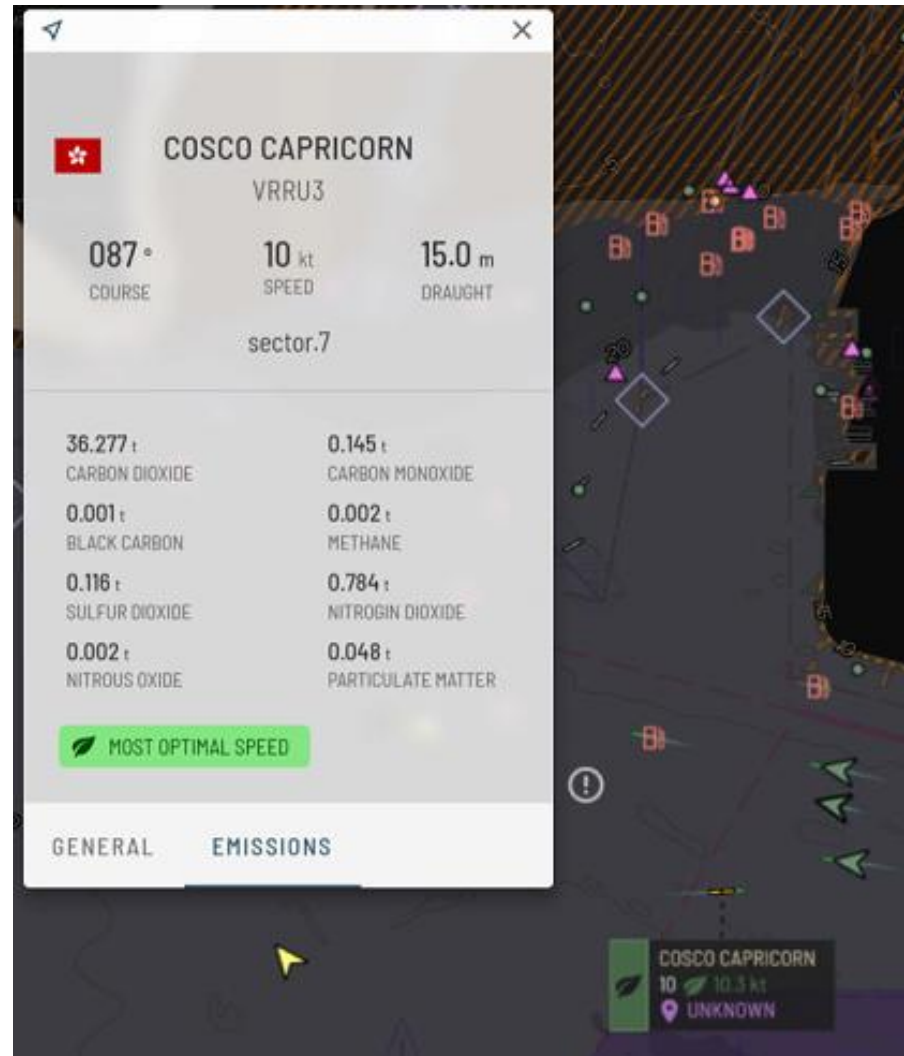
Integration PortXchange: Optimized & Reduced Greenhouse Gas



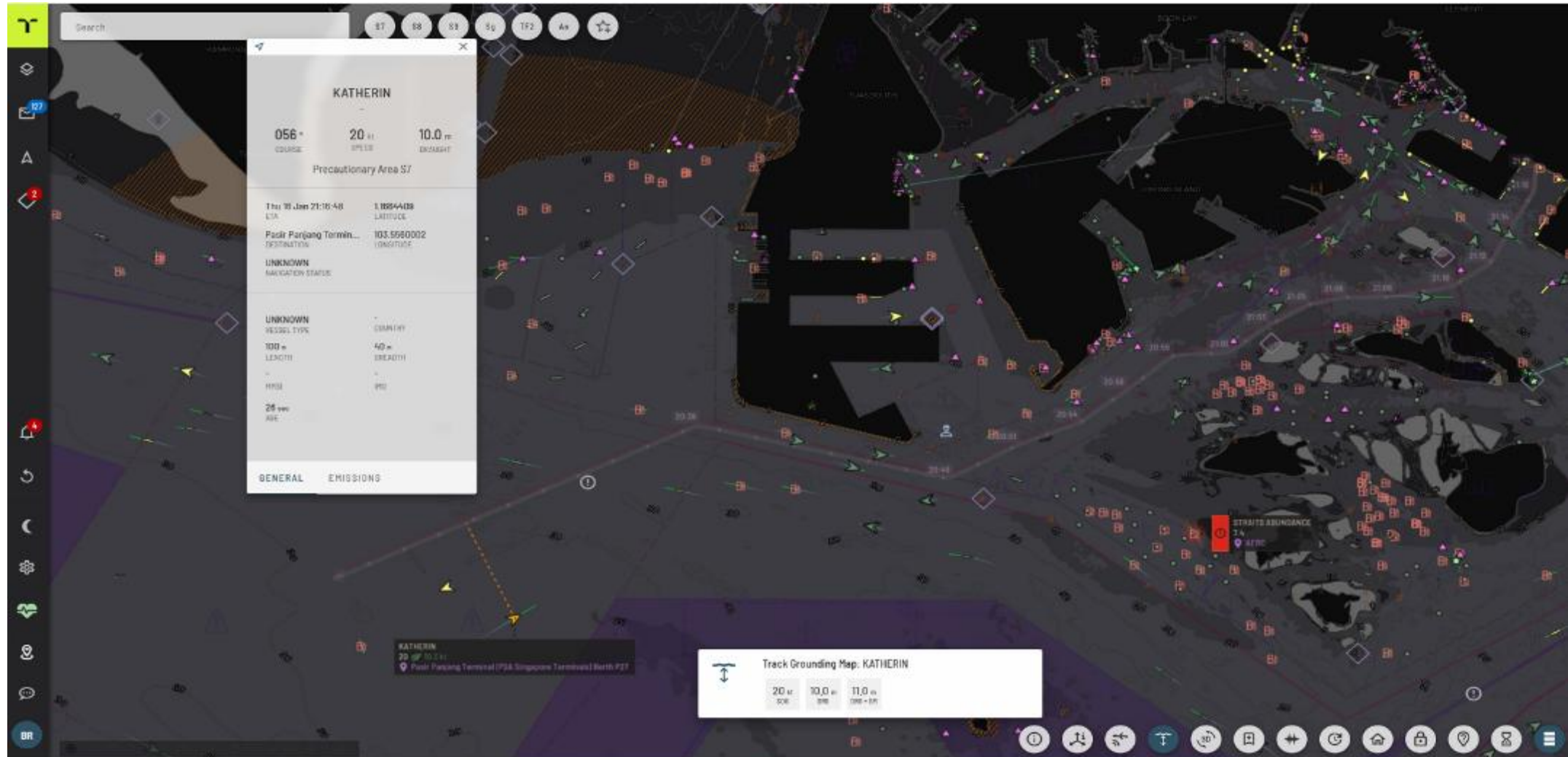
Dashboard Greenhouse Gas Emissions



Link to ship emission model and determine optimal speed

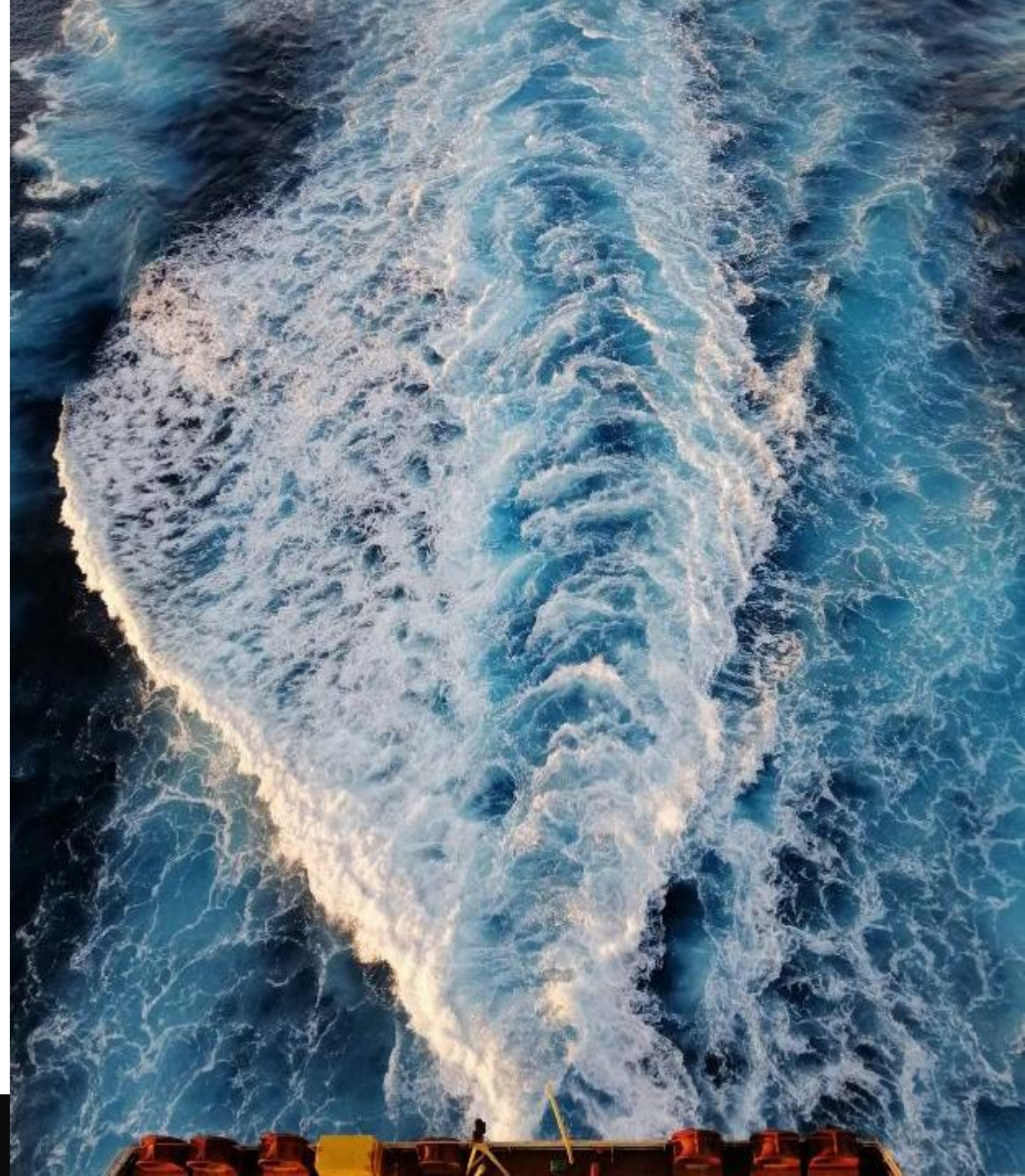


Route optimization over shorter and longer distances



Decarbonization – more and more a safety topic

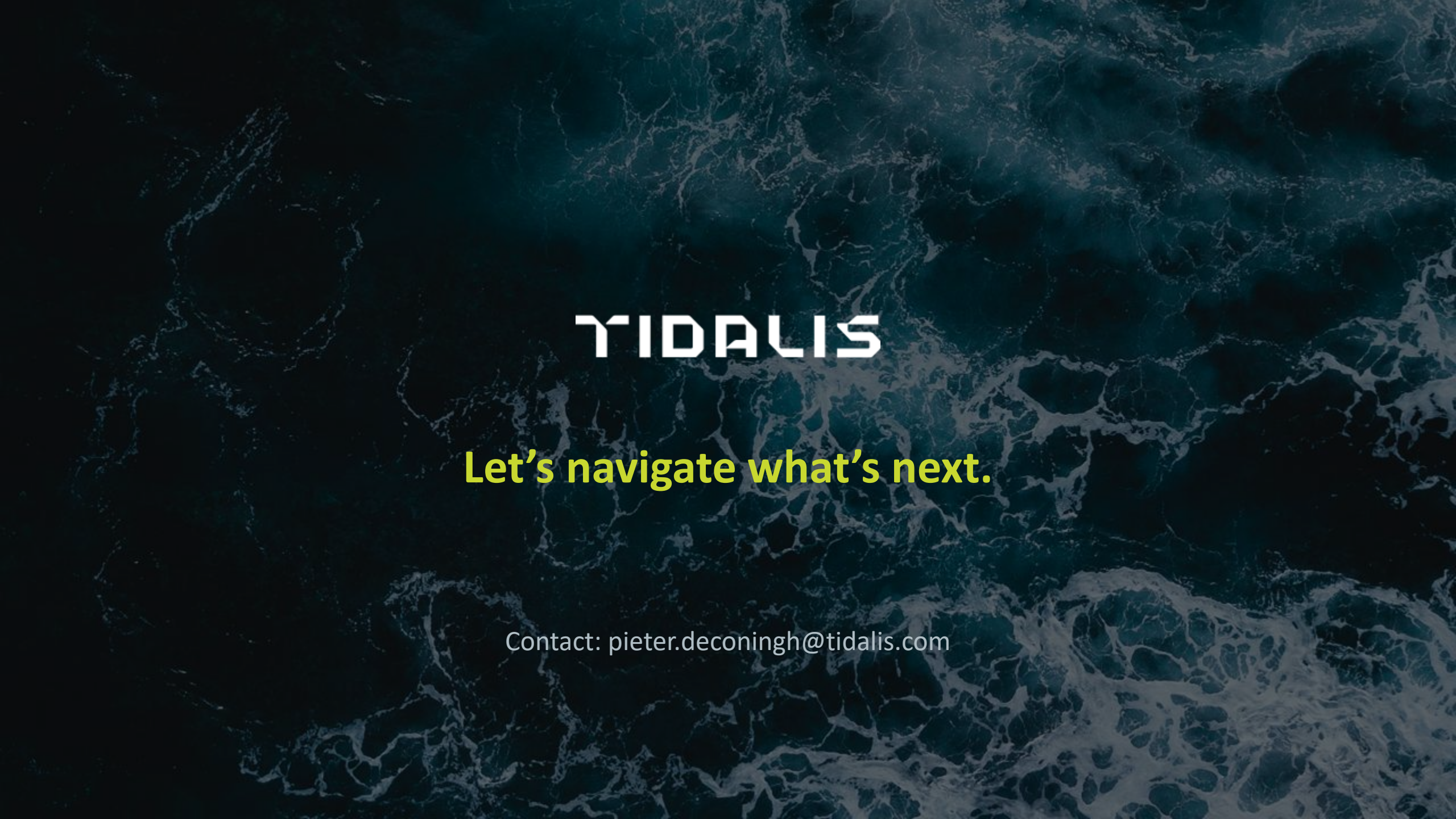
- About 50% of IMO targets for decarbonization can be achieved through slow sailing – JIT arrival. Prevent over speeding.
- At this moment according to BIMCO average age 14.2 years: highest average in last years. That means alternative fuels in absolute numbers play a limited role.
- Key to IMO decarbonization targets is better arrival planning – Green Digital Corridors as example
- Linerlytica 02/07/2026: Port congestion has worsened since 2022 with 10,9% of fleet currently waiting at anchorages.





We make the maritime world
safe, secure and efficient

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The background of the entire image is an aerial photograph of ocean waves. The water is a deep, dark teal color, and the white foam of the waves creates a complex, organic pattern across the surface. The lighting is somewhat dramatic, with highlights on the crests of the waves and shadows in the troughs.

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Let's navigate what's next.

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