March 2026

Company and product introduction

TIDALIS

Background

Tidalis over the years

Decades of experience

1956 — The first integrated radar chain

1975 — Vessel traffic services

SIGNAAL

Former Holland Signaal

Apeldoorn

1985 — The first Pilot Dispatch System

1985 — Port and pilotage management

Former Klein Systems Group

Vancouver

1987 — The first Port Management System

1994 — Vessel traffic services

HITT

Former HITT

Apeldoorn

2000 — Vessel traffic services

HITT (HK) Ltd.

Expansion HITT

Hong Kong

2002 — The first AIS Network

2006 — The first Coastal Surveillance System

2012 — Solutions for ports & waterways

SAAB

Worldwide

2023 — Solutions for ports & waterways

TIDALIS

Worldwide

2025 — Acquisition MSG Data analytics

Worldwide

Well established roots

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

Offshore Protection

Round the clock monitoring vessel traffic near offshore installations to warn for dangerous situations

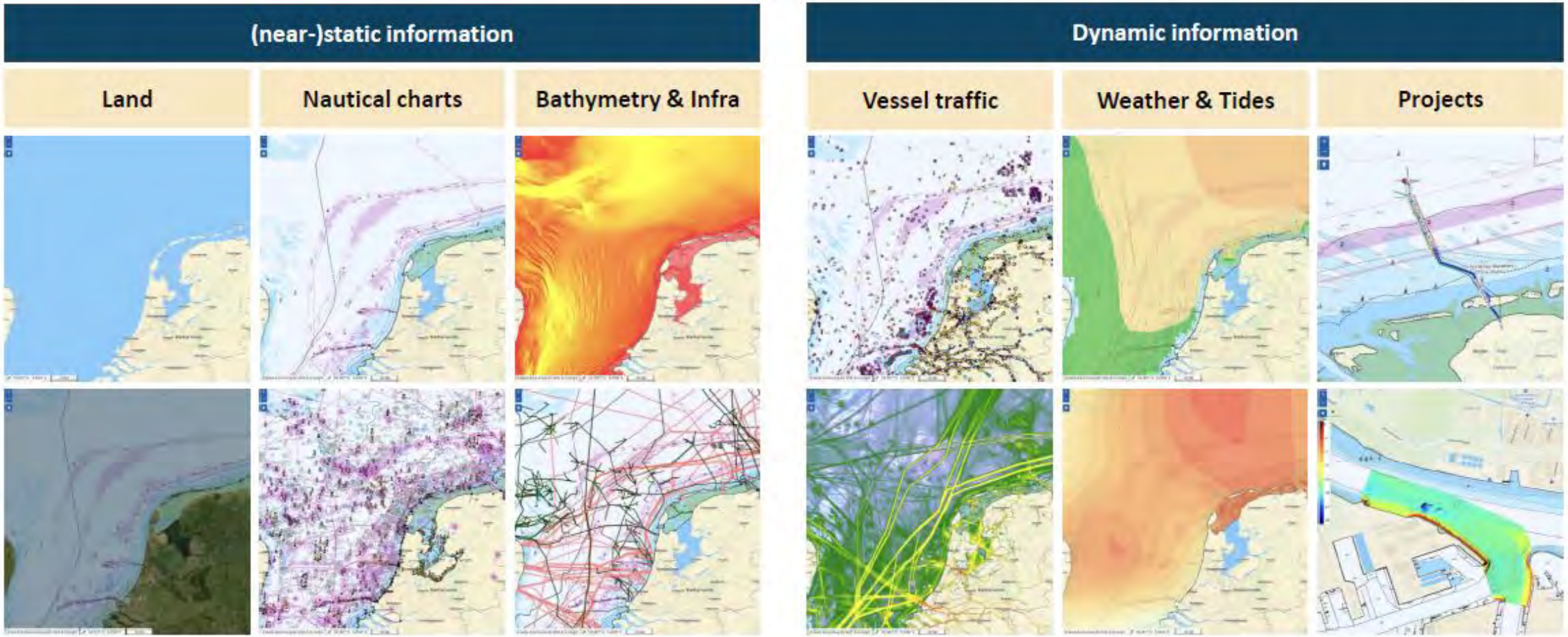
FOR OFFSHORE INDUSTRY

AIS Network

Advanced tooling to manage AIS networks that supports the latest developments

FOR AIS NETWORK MANAGERS

MSG was founded on the believe that the maritime domain requires worldwide situational information far beyond a ‘sea is blue’ map



Installed Base

Our customers are located around the world

References

214

Companies

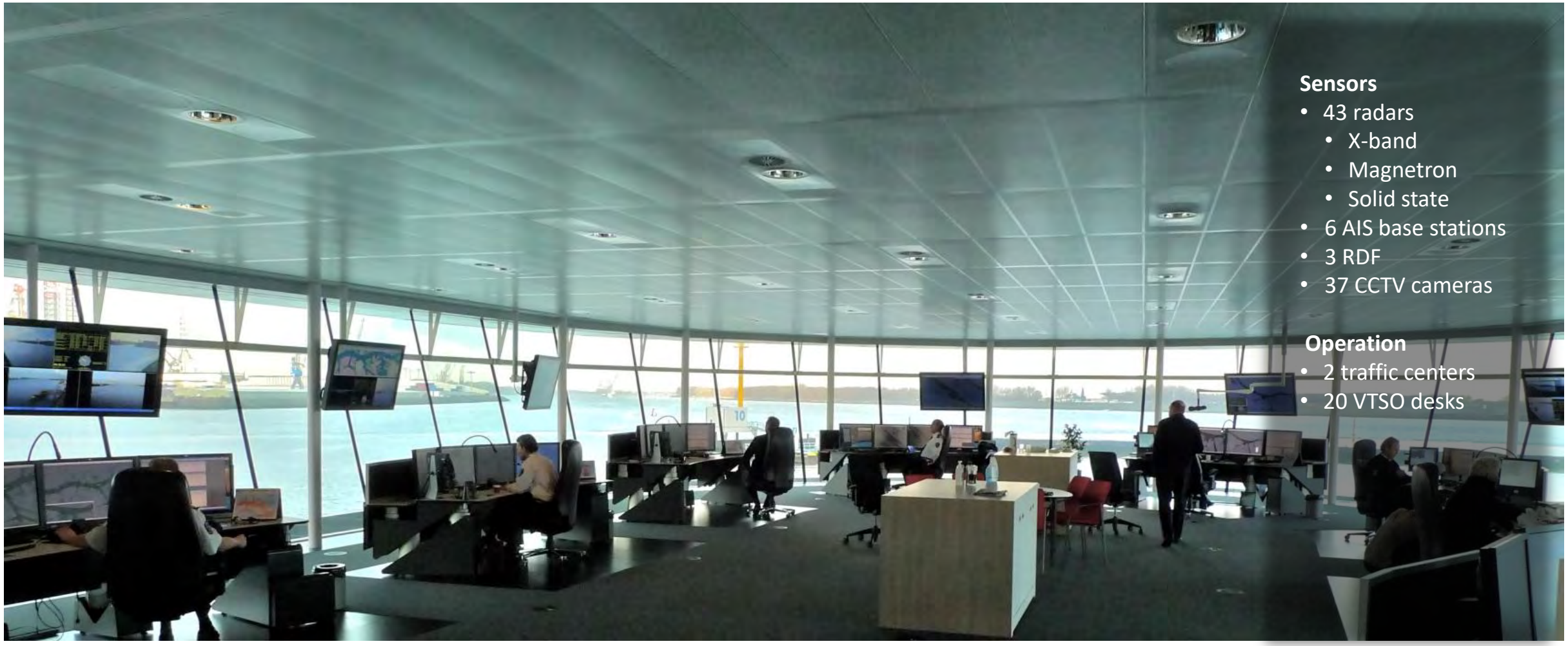
111

Ports

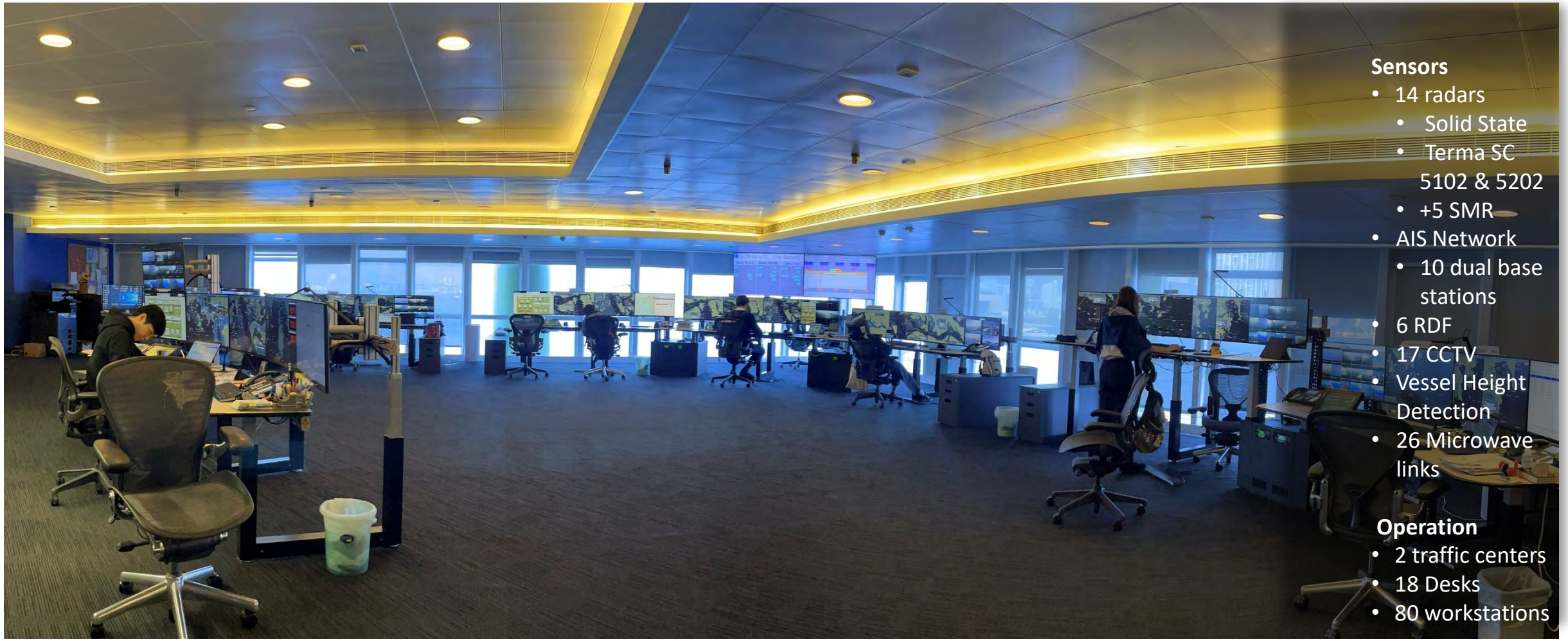
179

Port of Rotterdam

The Netherlands



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

Great Barrier Reef

Australia, one of the seven wonders of the natural world

21 Ports

5 VTS Centres *

Abbot Point
Brisbane*
Burketown
Bundaberg
Cairns*
Cape Flattery
Cooktown
Gladstone*
Hay Point*
Karumba
Lucinda
Mackay
Maryborough
Mourilyan
Port Kennedy
Quintell Beach
Rockhampton

Skardon River
Townsville*
Weipa

Vessel Traffic Service / Coastal Surveillance (MC based)

Maritime Control

- 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.'

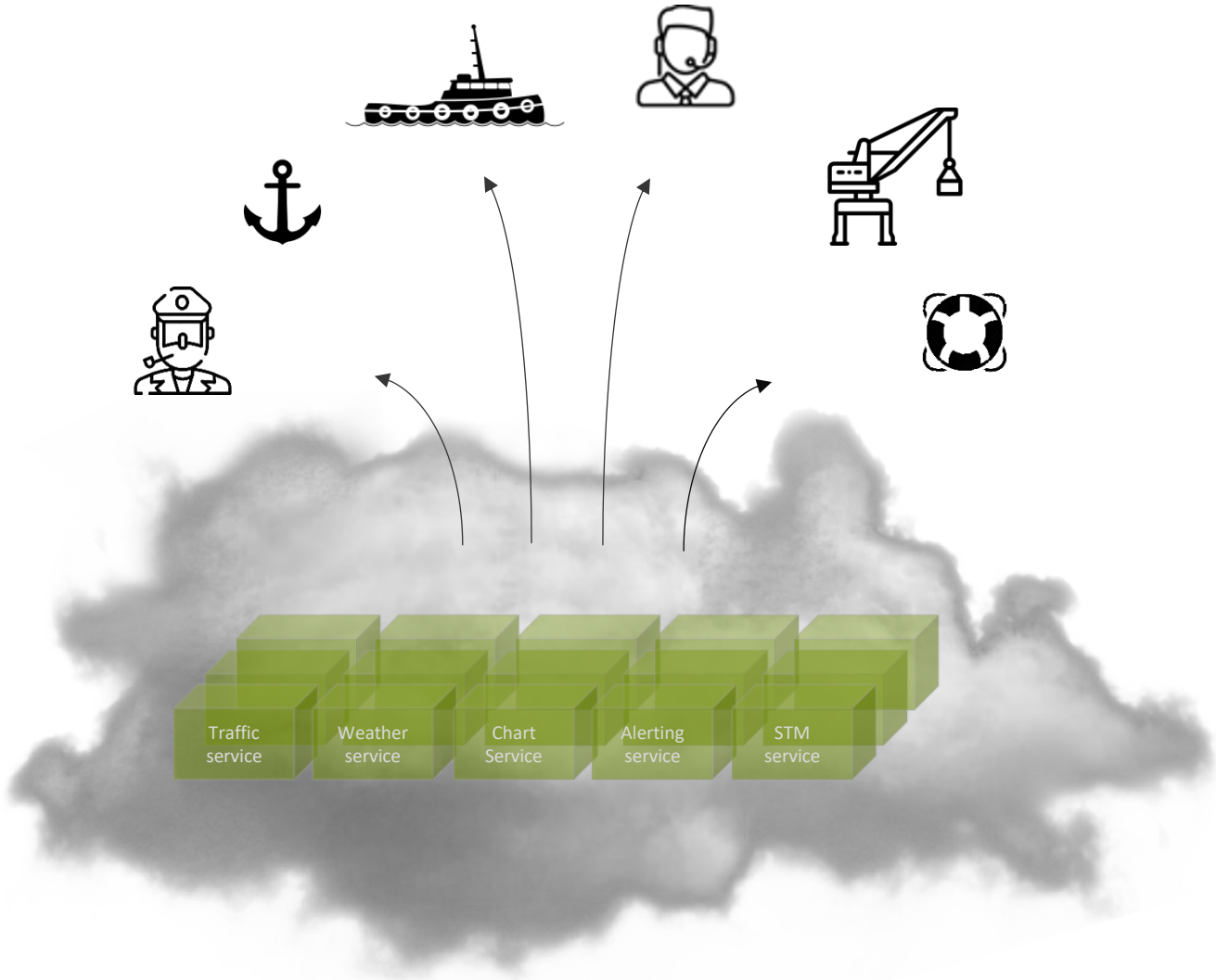
Telecommunication Manager,
Port of Antwerp

Traffic centres	Years of loyalty	Uptime	Highly reliable	Best in class tracking
70+	25+	99.995%		

VTS & AIS Solution

MartimeControl Service Suite Edition (MC-SSE)

- ↗ Next generation system architecture
  - _Web front-end
    - _ Desktop, tablet, mobile
    - _ 3rd party chart overlays
  - _Cloud Agnostic technology (vs. monolithic)
    - _ On premise
    - _ External Cloud Service
  - _Open but secure
    - _ Single sign-on
    - _ REST API's
  - _Extendibility
    - _ Small containers



Service-oriented architecture

Human Machine Interface

Machine To Machine

Application Programming Interface (API)

Maritime 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)**

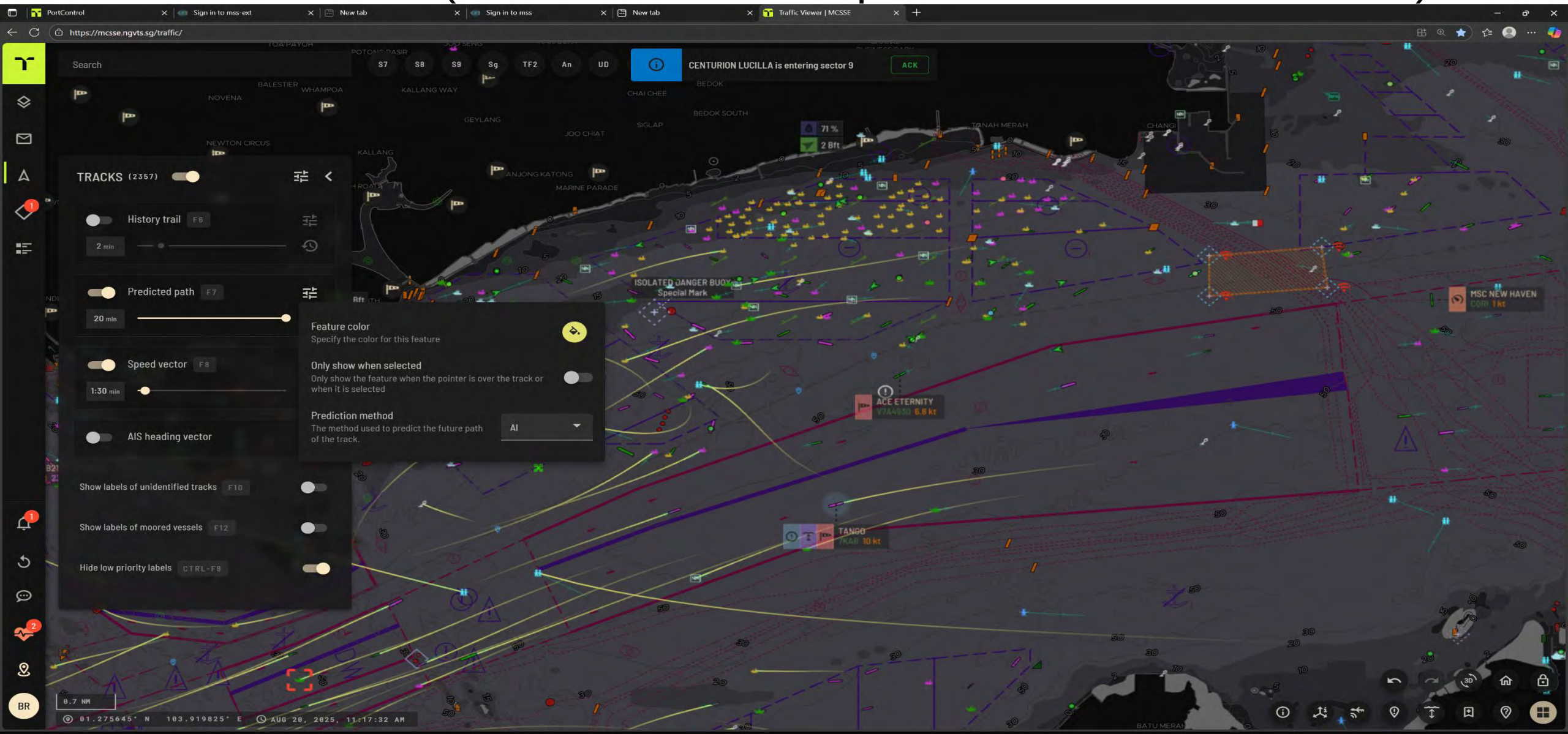
Third party Data Providers

3rd party contribution

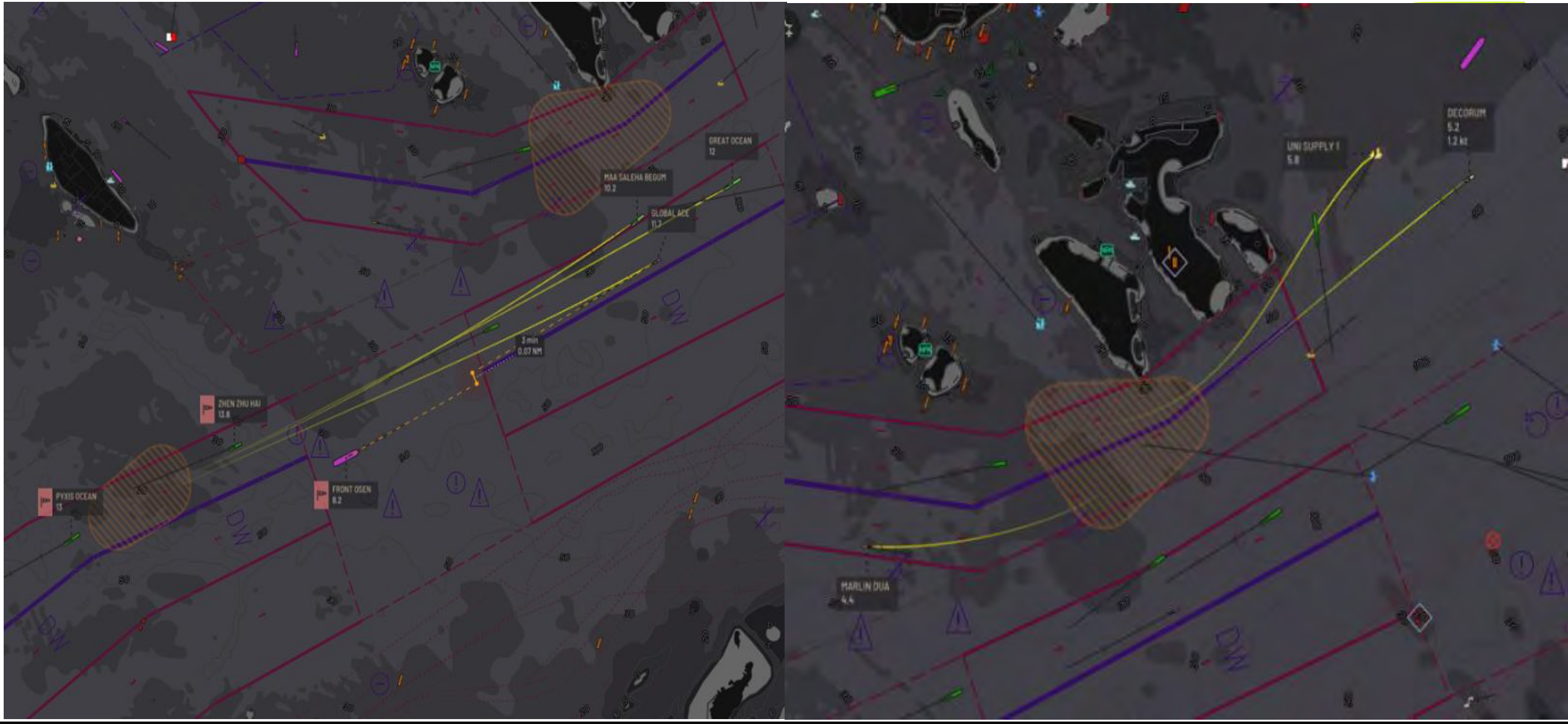
E.g. using open-source solutions a requirement for better results

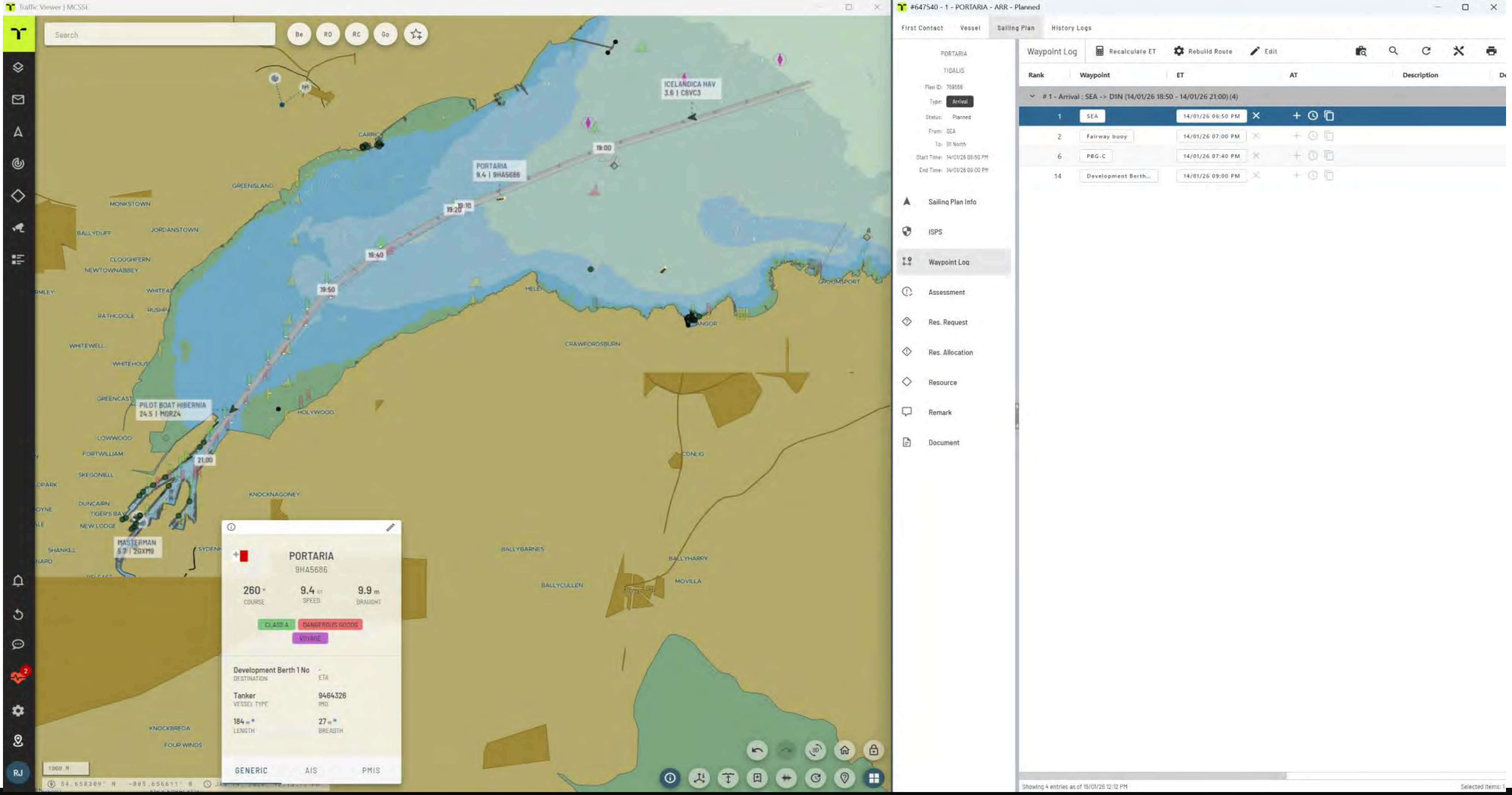
- ↗ Company strategy
  - _Use industry standards where possible
  - _Focus on our own added value, use 3rd party products for generic functions
  - _Only use well supported and proven 3rd party products
  - _Be able to switch to alternative solutions without loosing everything
- ↗ Knowledge
  - _Customer can gain knowledge from 3rd party resources
    - _ External Training
    - _ Web (github, stack overflow, youtube etc)
- ↗ Infrastructure can be shared with other systems
- ↗ Open source ≠ for free

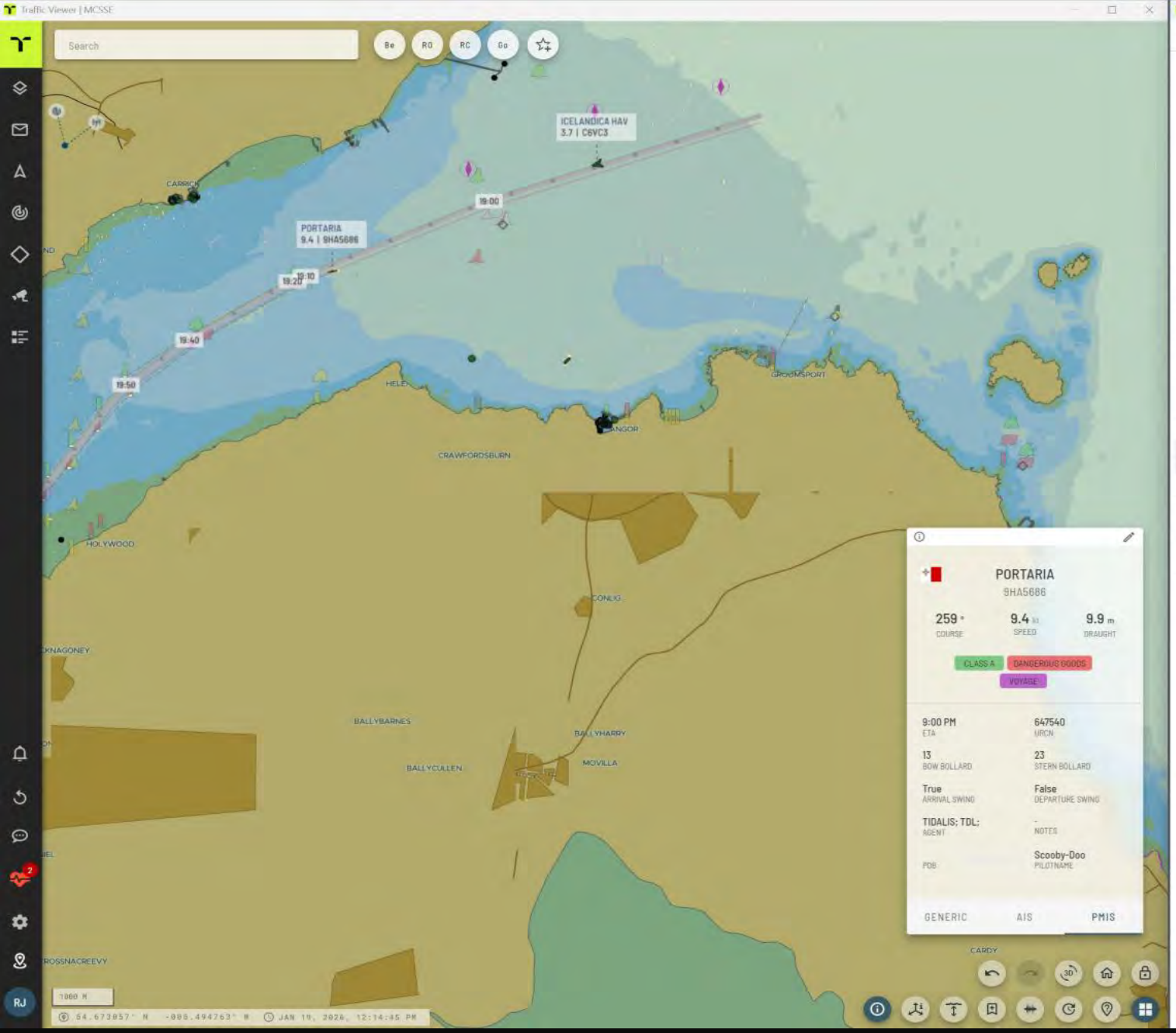
AI Path Prediction (continued development and collaboration)

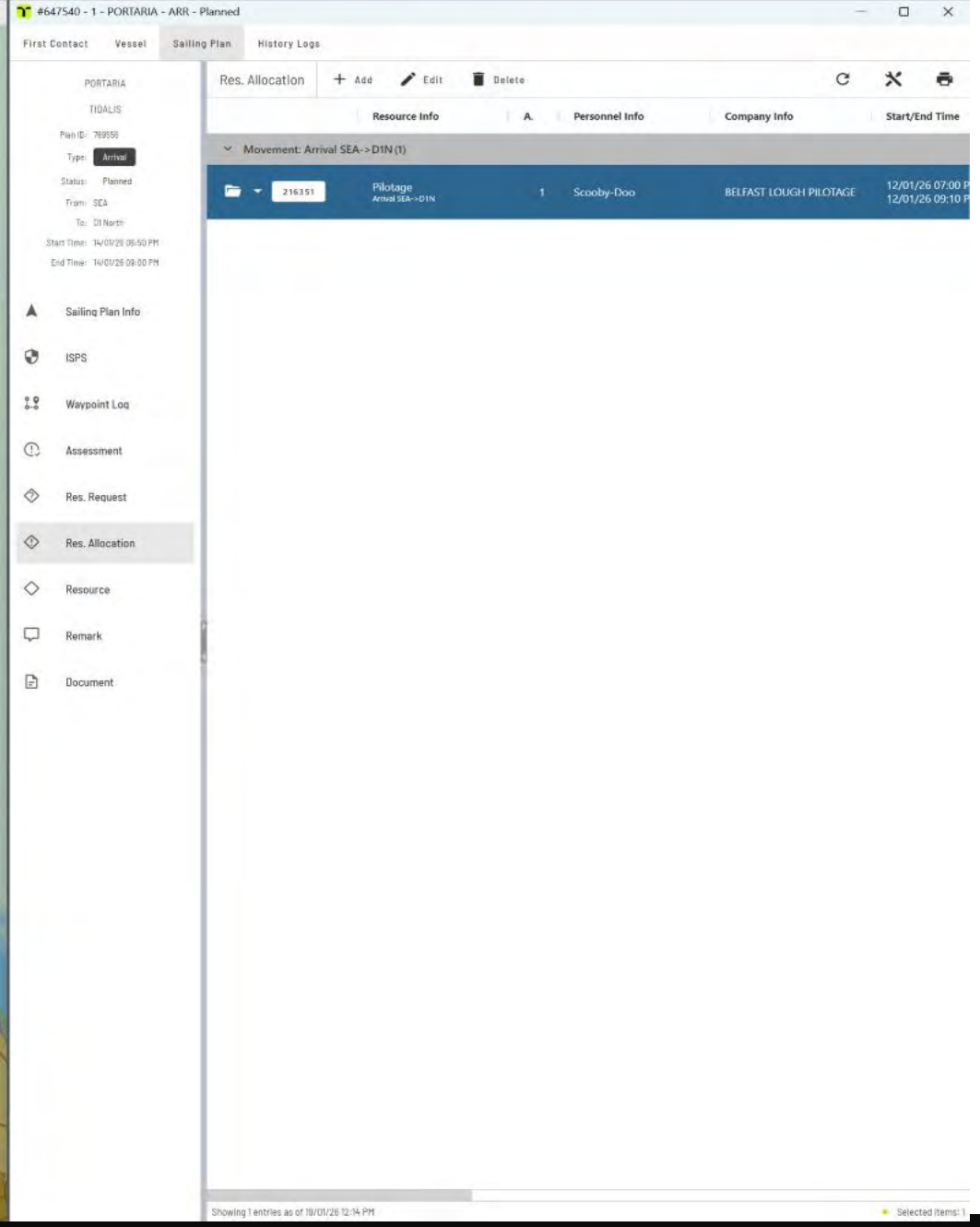


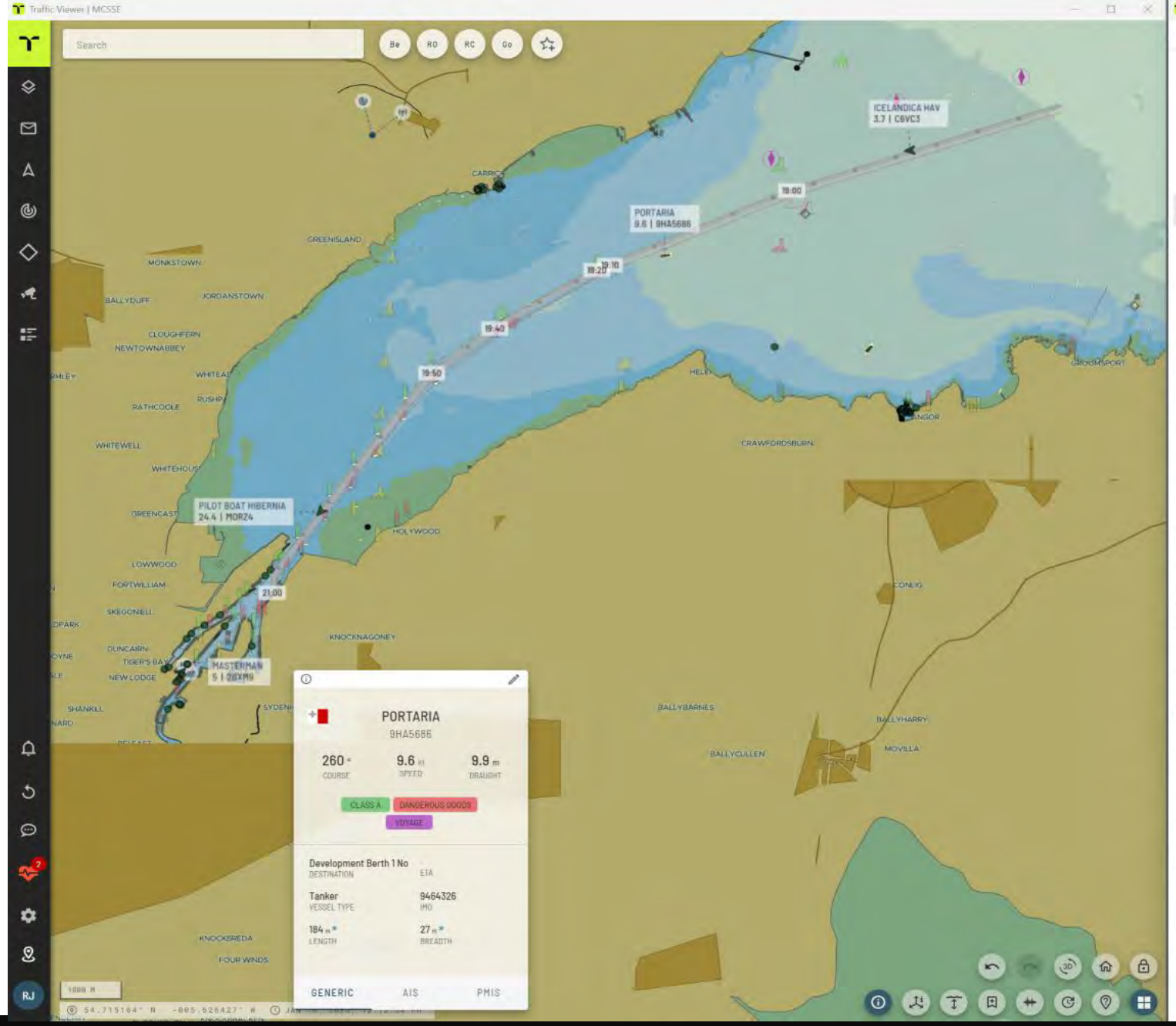
AI Hotspot Detection (Still to expand with recommendation)




Traffic Viewer | MCSSE
Search
#647540 - 1 - PORTARIA - ARR - Planned
First Contact
Vessel
Sailing Plan
History Logs
PORTARIA
TIDALIS
Waypoint Log
Recalculate ET
Rebuild Route
Edit
Rank
Waypoint
ET
AT
Description
1 - Arrival : SEA -> DIN (14/01/26 18:50 - 14/01/26 21:00) (4)
1 SEA 14/01/26 06:50 PM
2 Fairway buoy 14/01/26 07:00 PM
6 PBG-C 14/01/26 07:40 PM
14 Development Berth... 14/01/26 09:00 PM
Sailing Plan Info
ISPS
Waypoint Log
Assessment
Res. Request
Res. Allocation
Resource
Remark
Document
PORTARIA
9HA5686
260 ° COURSE
9.4 kt SPEED
9.9 m DRAUGHT
CLASS A
DANGEROUS GOODS
VOYAGE
Development Berth 1 No DESTINATION
Tanker VESSEL TYPE
9464326 IMO
184 m LENGTH
27 m BREADTH
GENERIC
AIS
PMIS
ICELANDICA HAV
PORTARIA 9.4 | 9HA5686
PILOT BOAT HIBERNIA
MASTERMAN
BANGOR
CRAWFORDSBURN
HOLYWOOD
GREENISLAND
MONKSTOWN
JORDANSTOWN
CARRICK
GROOMSPORT
CONLIG
BALLYBARNES
BALLYHARRY
MOVILLA
BALLYCULLEN
KNOCKNAGONEY
KNOCKBREDA
FOUR WINDS


Traffic Viewer | MCSSE
Search
Be
RG
RC
Go
ICELANDICA HAV
3.7 | C6VC3
CARRICK
PORTARIA
9.4 | 9HA5686
19:00
19:10
19:20
19:40
19:50
HELEN
GROOMSPORT
BANGOR
CRAWFORDSBURN
HOLYWOOD
CONLIG
KNAGONEY
BALLYBARNES
BALLYHARRY
BALLYCULLEN
MOVILLA
CARDY
ROSSNACREEVY
PORTARIA
9HA5686
259 °
COURSE
9.4 kt
SPEED
9.9 m
DRAUGHT
CLASS A
DANGEROUS GOODS
VOYAGE
9:00 PM
ETA
647540
URCN
13
BOW BOLLARD
23
STERN BOLLARD
True
ARRIVAL SWING
False
DEPARTURE SWING
TIDALIS; TDL;
AGENT
NOTES
POB
Scooby-Doo
PILOTNAME
GENERIC
AIS
PMIS
1000 ft
54.673857° N -008.494763° W JAN 19, 2026, 12:14:45 PM


#647540 - 1 - PORTARIA - ARR - Planned
First Contact
Vessel
Sailing Plan
History Logs
PORTARIA
TIDALIS
Plan ID: 789556
Type: Arrival
Status: Planned
From: SEA
To: D1 North
Start Time: 14/01/26 06:50 PM
End Time: 14/01/26 09:00 PM
Sailing Plan Info
ISPS
Waypoint Log
Assessment
Res. Request
Res. Allocation
Resource
Remark
Document
Res. Allocation
Add
Edit
Delete
Resource Info
A.
Personnel Info
Company Info
Start/End Time
Movement: Arrival SEA-> D1N (1)
216351
Pilotage
Arrival SEA->D1N
1
Scooby-Doo
BELFAST LOUGH PILOTAGE
12/01/26 07:00 P
12/01/26 09:10 P
Showing 1 entries as of 19/01/26 12:14 PM
Selected items: 1


Traffic Viewer | MCSSE
Search
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3.7 | C6VC3
PORTARIA
9.6 | 9HA5686
PILOT BOAT HIBERNIA
24.4 | MORZ4
MASTERMAN
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CLOUGHFERN
NEWTOWNABBEY
WHITEHOUSE
RATHCOOLE
WHITEWELL
GREENCASTLE
HOLYWOOD
LOWWOOD
FORTWILLIAM
SKEGONIELL
DUNCAIRN
TIGER'S BAY
NEW LODGE
KNOCKNAGONEY
SHANKILL
BALLYBARNES
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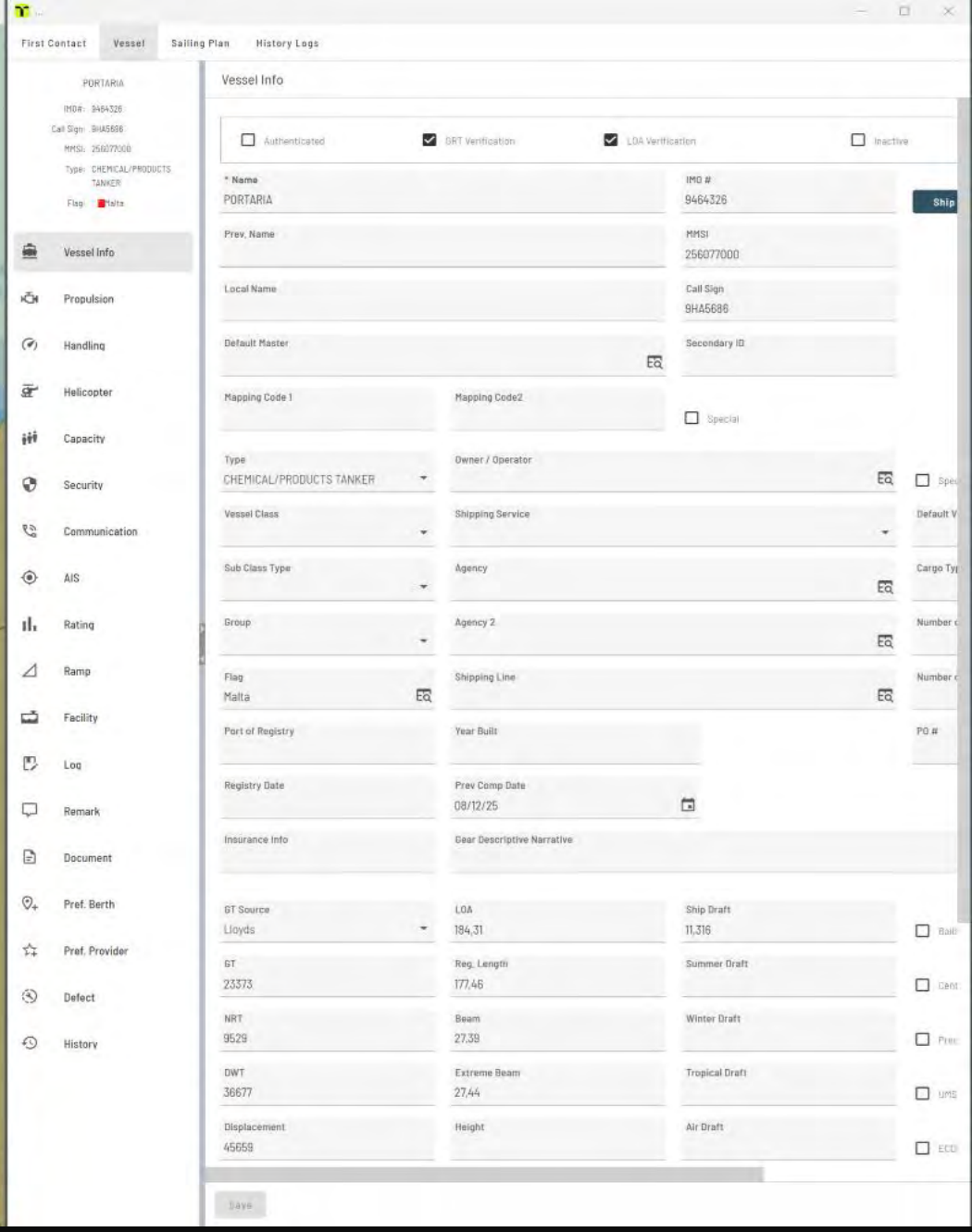
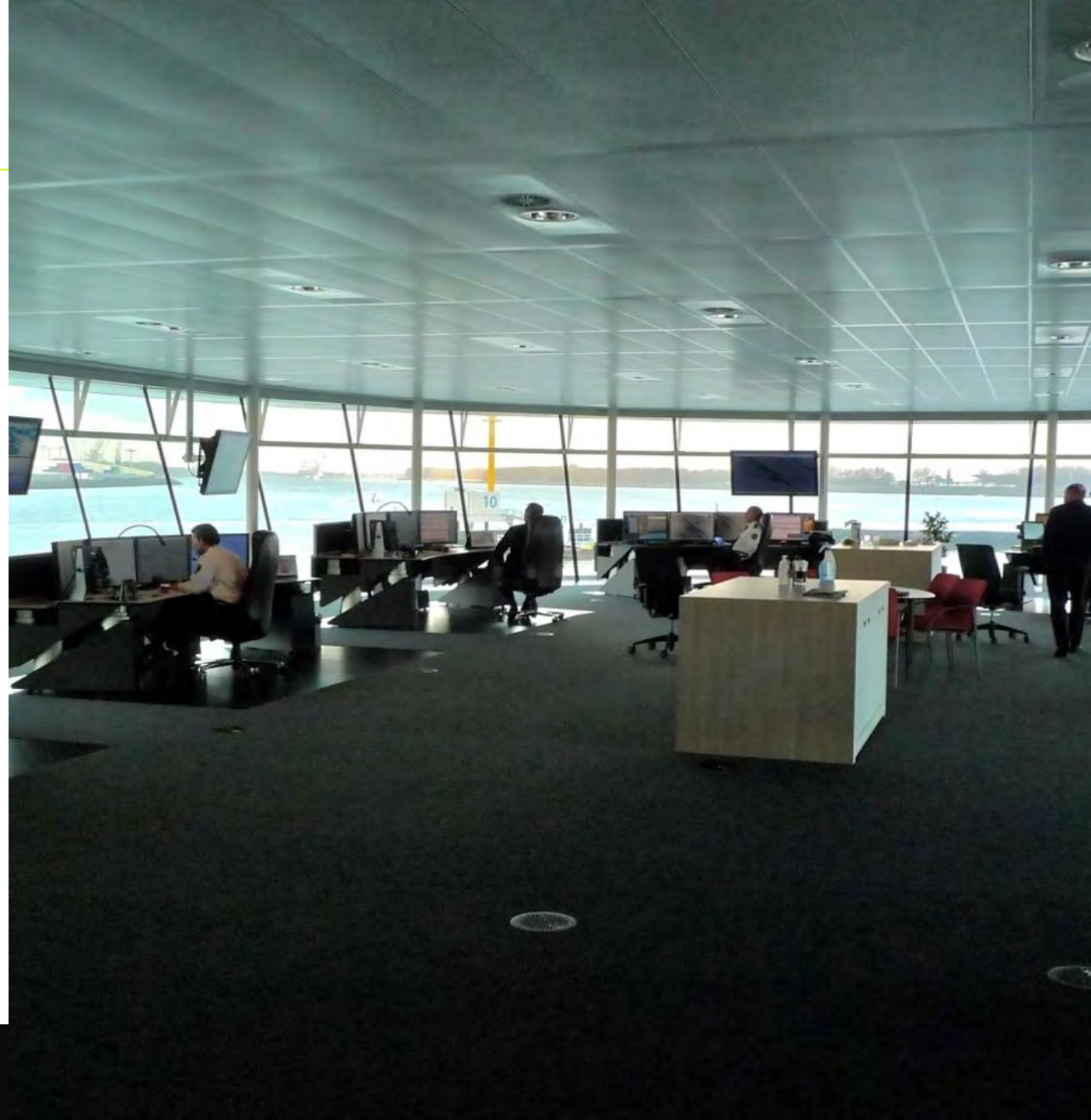

First Contact
Vessel
Sailing Plan
History Logs
PORTARIA
IMO#: 9464326
Call Sign: 9HA5686
MMSI: 256077000
Type: CHEMICAL/PRODUCTS TANKER
Flag: Malta
Vessel Info
Propulsion
Handling
Helicopter
Capacity
Security
Communication
AIS
Rating
Ramp
Facility
Log
Remark
Document
Pref. Berth
Pref. Provider
Defect
History
Vessel Info
Authenticated
GRT Verification
LOA Verification
Inactive
* Name
PORTARIA
IMO #
9464326
Prev. Name
MMSI
256077000
Local Name
Call Sign
9HA5686
Default Master
Secondary ID
Mapping Code 1
Mapping Code2
Special
Type
CHEMICAL/PRODUCTS TANKER
Owner / Operator
Vessel Class
Shipping Service
Sub Class Type
Agency
Group
Agency 2
Flag
Malta
Shipping Line
Port of Registry
Year Built
Registry Date
Prev Comp Date
08/12/25
Insurance Info
Gear Descriptive Narrative
GT Source
Lloyds
LOA
184,31
Ship Draft
11,316
GT
23373
Reg. Length
177,46
Summer Draft
NRT
9529
Beam
27,39
Winter Draft
DWT
36677
Extreme Beam
27,44
Tropical Draft
Displacement
45659
Height
Air Draft
Save

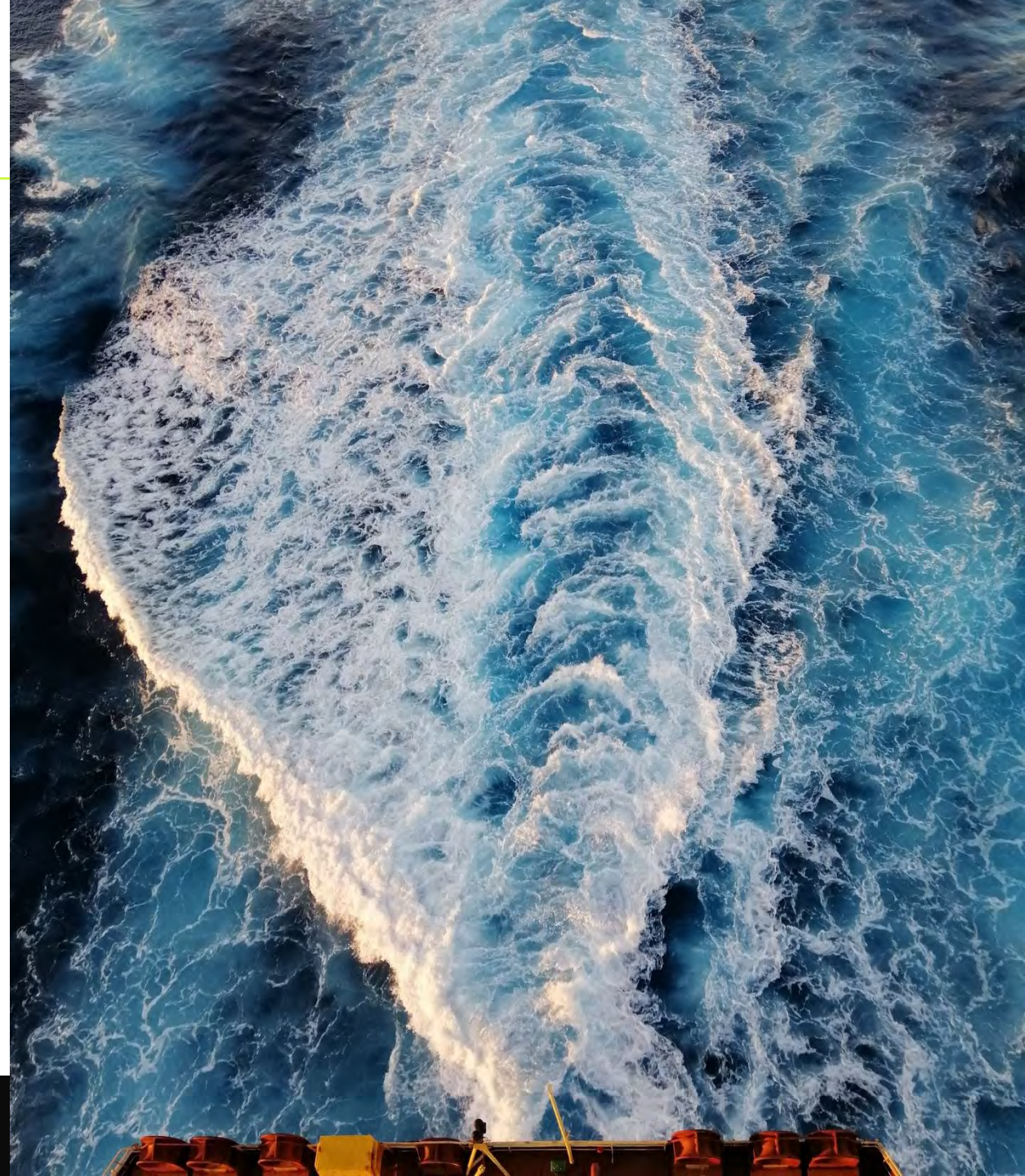
Multi Dimensional VTMS

- ↗ More optimized arrival planning and route planning (JIT arrival)
- ↗ Better communication and transparency between stakeholders
- ↗ Shared Situational Awareness
- ↗ More bandwidth for ship-shore data exchange
- ↗ Additional carriage Requirements for vessels? When? 2028 both AIS and VDES
- ↗ MASS/VDES making slow progress.



Decarbonization - safety topic- still?

- ↗ 30% of IMO targets for decarbonization can be achieved through slow sailing – JIT arrival. Use to be higher, but change of routes had impact.
- ↗ 65% of container vessels is more than 10 years old
- ↗ 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 lanes as example.



We make the maritime world safe, secure and efficient

Get in touch / Pieter van Vrijberghe de Coningh / +852 9022 2990 / pieter.deconingh@tidalis.com