

vera navis

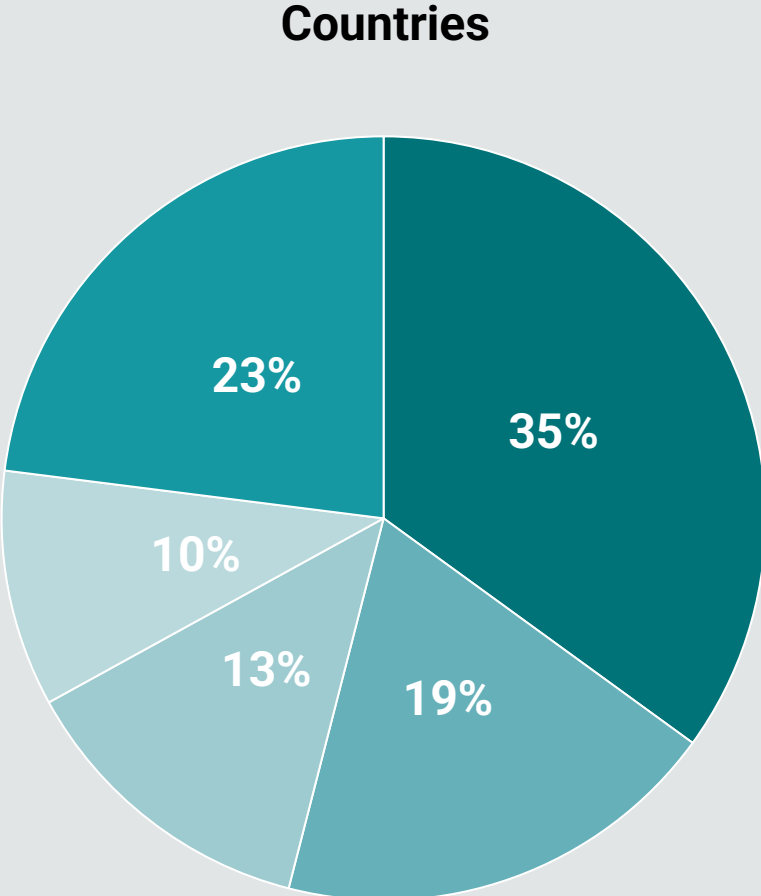
Naval Architecture | Marine Engineering

Challenges and innovative projects


















17as Jornadas de Engenharia e Tecnologia Marítima (JETM)

May 16, 2024

Main Markets



- The Netherlands
- Germany
- Portugal
- Norway
- Others

<p>Detail Design</p>					
<p>General Drafting P&ID Visualization Equipment</p>					
<p>Weight Tracking & Feedback</p>					
<p>General Concept Tools Structural Analysis FEM Hydrostatics CFD</p>		<p>ANSYS Design Modeler CFD</p>			
				<p>Orca3D Marine CFD</p>	

Wellboat Series

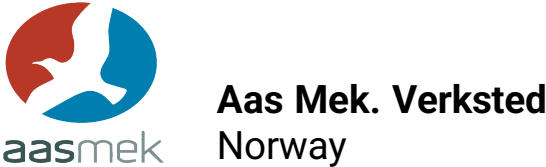
Type AAS 3002 ST

77m length, 18m wide

Deliveries:

- Ronja Evolution - January 2024
- Ronja Mistral - July 2023
- Ronja Aurora - April 2023
- Ronja Queen - December 2022
- Ronja Azul - July 2022
- Ronja Princess - March 2022

Structural Detail Design
Systems Detail Design



Hybrid Ferries Series

33m length, 9m wide

- Deliveries:**
Laboe - February 2023
Wik - June 2022
Friedrichsort - March 2022
Gaarden - June 2020



Concept/Basic Design
Structural Detail Design
Systems Detail Design



The Netherlands

Fully Electric Ferries Series

25m length, 7m wide

Deliveries:
Wellingdorf - August 2022
Düsternbrook - March 2021



Concept/Basic Design
Structural Detail Design
Systems Detail Design



The Netherlands

NZK Pont Series

Fully Electric Ferries

41m length, 14m wide

Deliveries:

- NZK Pont 104 - 2022
- NZK Pont 103 - 2021
- NZK Pont 102 - 2021
- NZK Pont 101 - 2021
- NZK Pont 100 - 2021

Concept/Basic Design
Structural Detail Design
Systems Detail Design



The Netherlands



H2 Barge 1 - Retrofit

Hydrogen-Powered

River going barge retrofit for hidrogen propulsion. The first hydrogen-powered inland vessel in the world!

110m length, 24m wide

Delivered on May 2023

Structure and systems integration
Production info



The Netherlands



TSHD Zeeburg - Conversion

Trailing Suction Hopper Dredger

Conversion of cargo vessel into a Trailing Suction Hopper Dredger. Modifications to the hull, an enlargement of the accommodation in the aft ship and the installation of all necessary dredging equipment.

90m length, 15m wide

Delivered on January 2023

Structural Detail Design
Systems Detail Design



The Netherlands



Electric Ferryboat

Fully engineered by Vera Navis, from the technical feasibility concept to a fully detailed production info package.

37m length, 10m wide

Delivered on November 2023

Basic Design
Structural Detail Design
Systems Detail Design



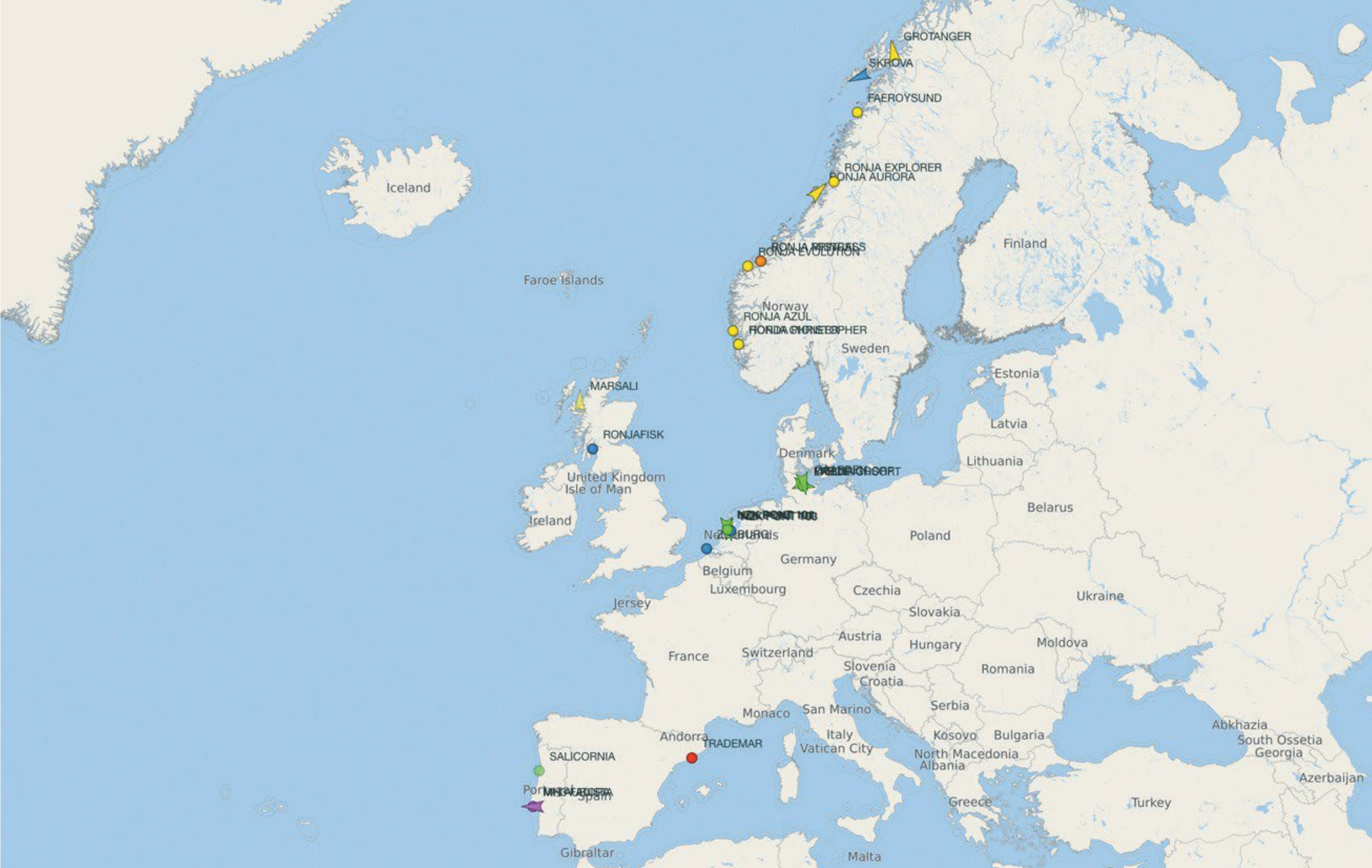
Portugal



Projects Fleet

This map shows the position of some projects we've worked on.

You can see real-time ship positions in our website: veranavis.com



Autonomous Double Ended Ferry - Trafikverket

Fully Electric

Autonomous triple redundancy. With 86m by 14.24m and capacity for 60 cars.

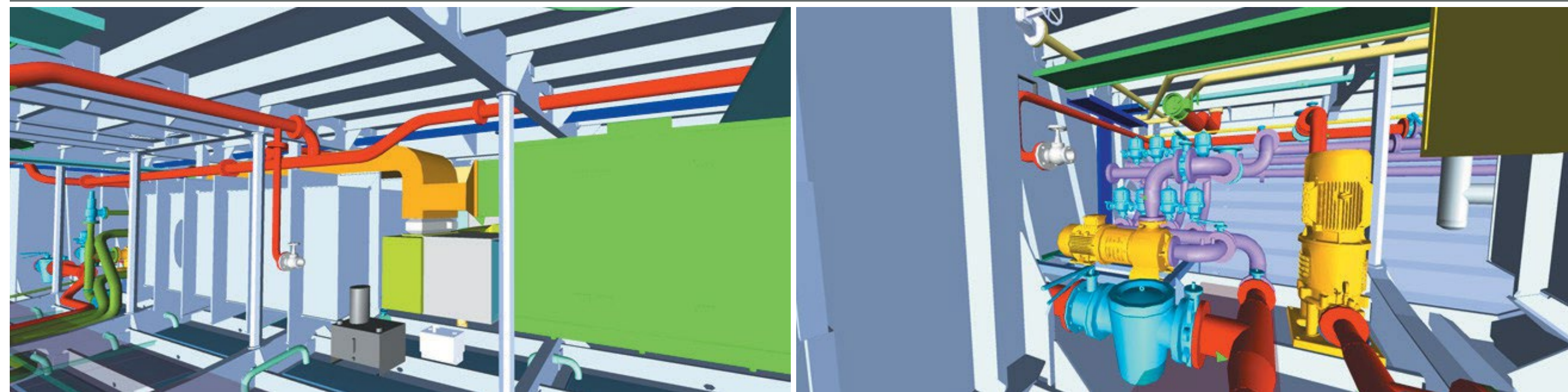
They will operate in Ljusteröleden and Vaxholmsleden and will primarily run on electricity.

To be Delivered on 2024

Systems Detail Design
Outfit integration
Production package



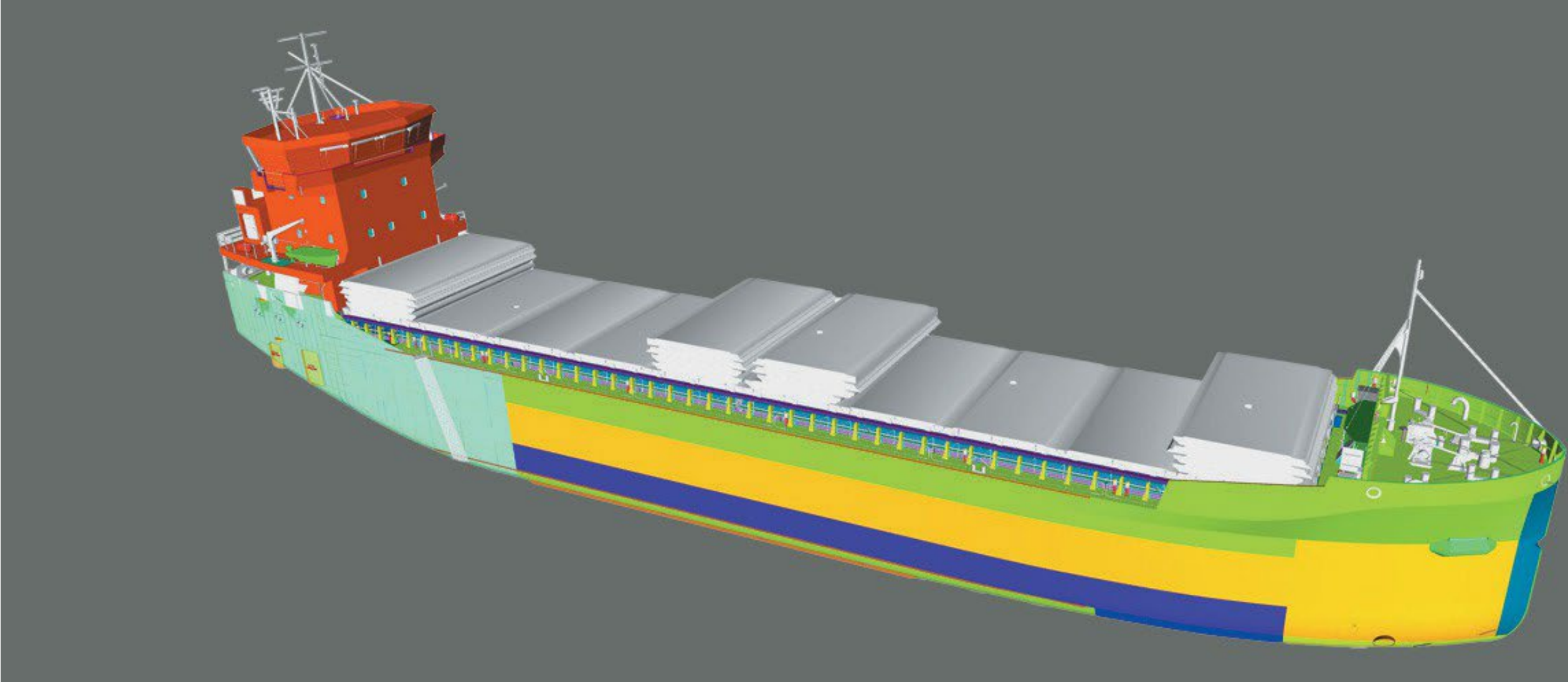
The Netherlands



General Cargo - Salmo

With 85m length, 14m beam and a depth of 6m. 5000 t DM

To be Delivered on 2024

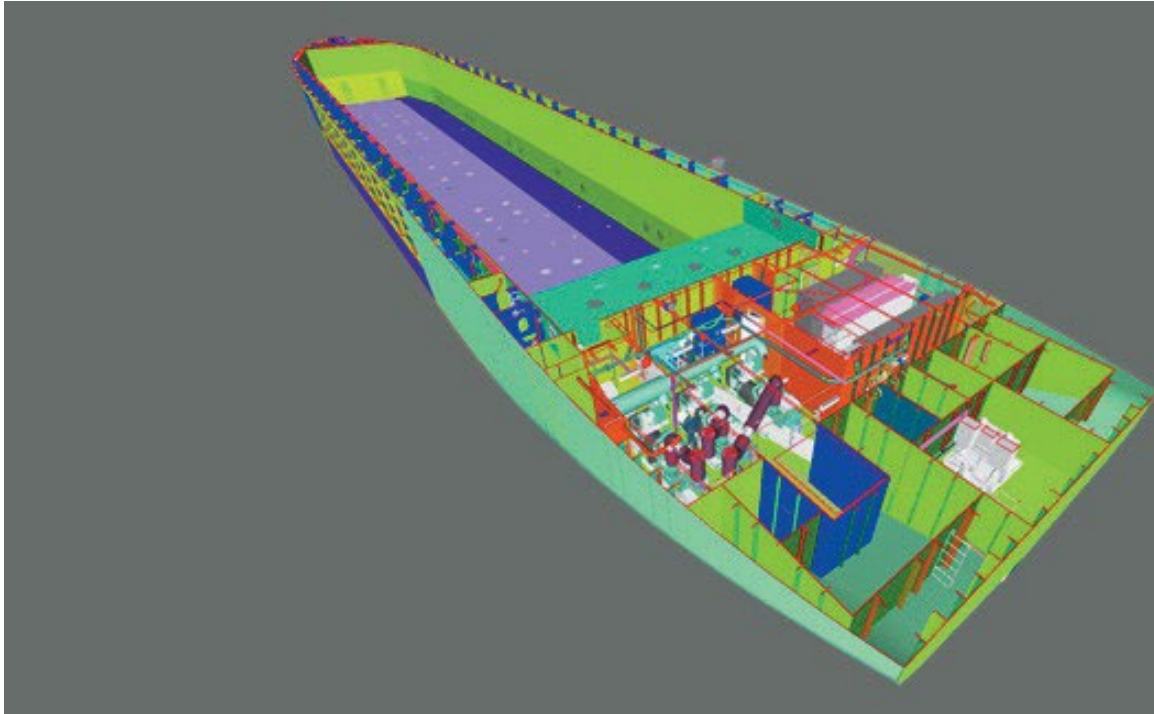
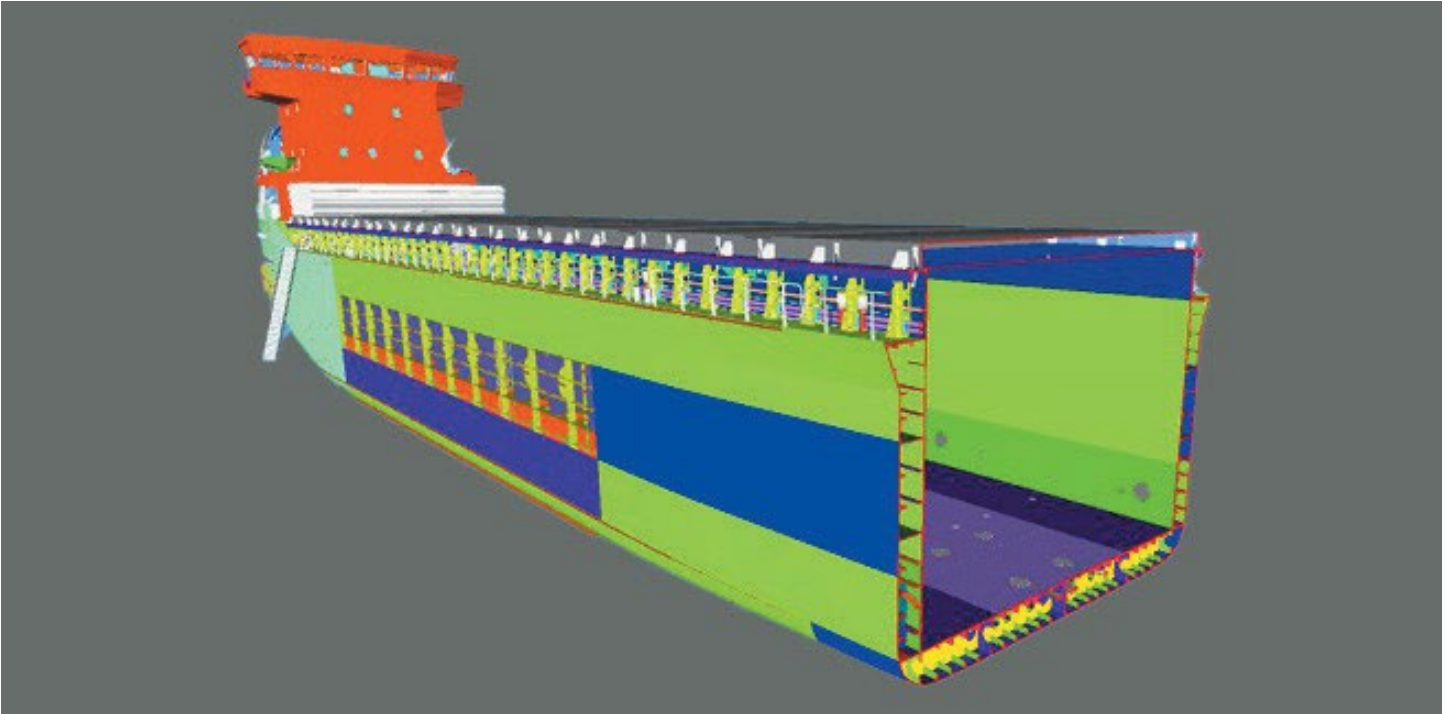


Full coordination and production package



THECLA BODEWES
SHIPYARDS

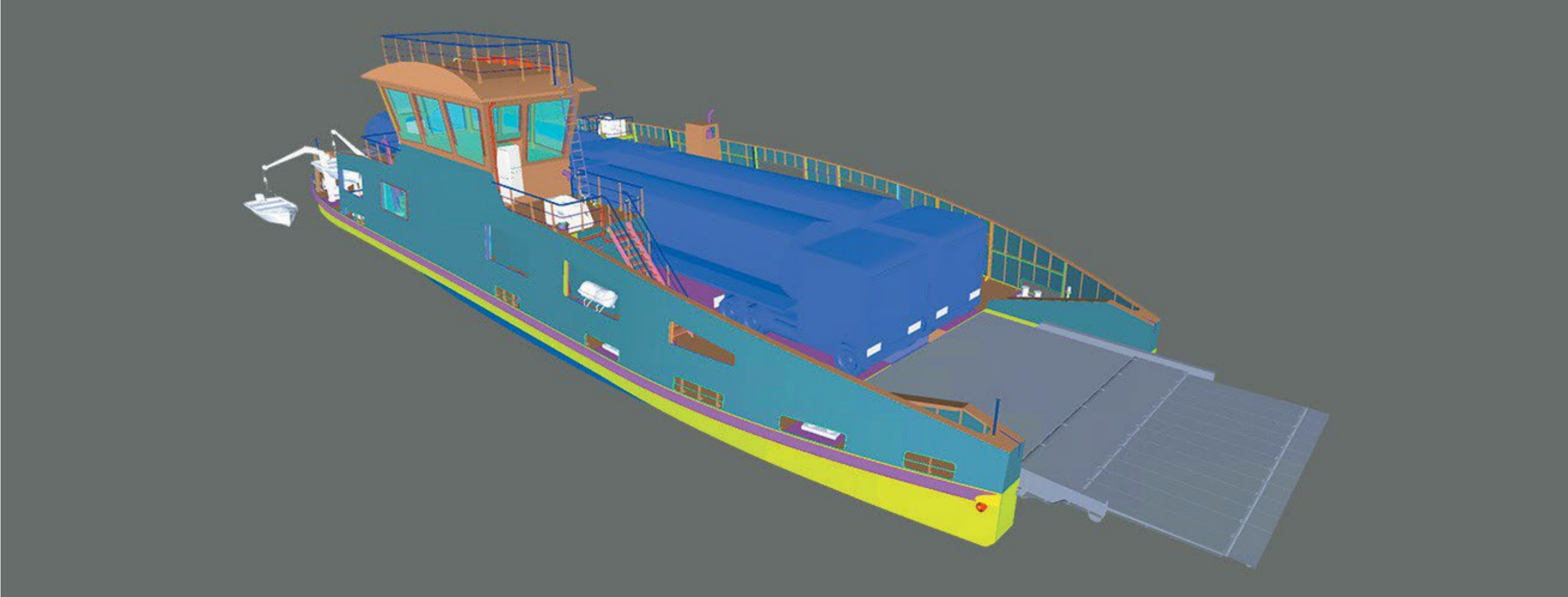
The Netherlands



Electric Ferry - SNAM

LNG Trucks transport.
With 42m length, 14m beam
4.40m depth.
Capacity for 4 trucks Ferry
to operate in Italy.

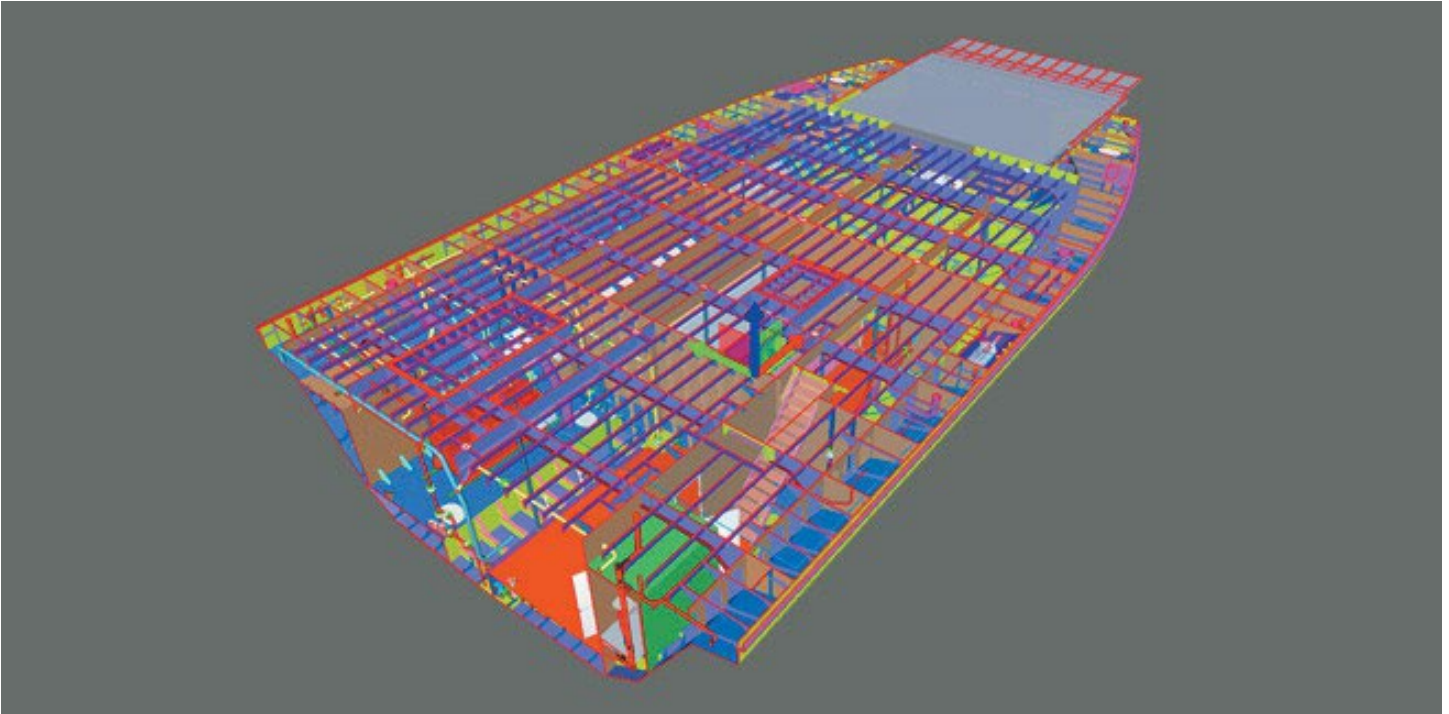
To be Delivered on 2024



Basic Design
Structural Detail Design
Systems Detail Design



The Netherlands

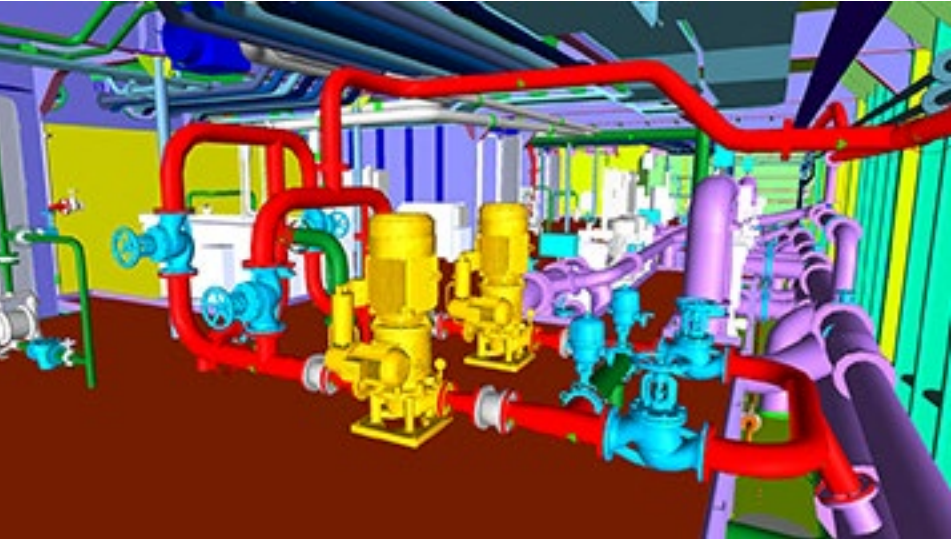
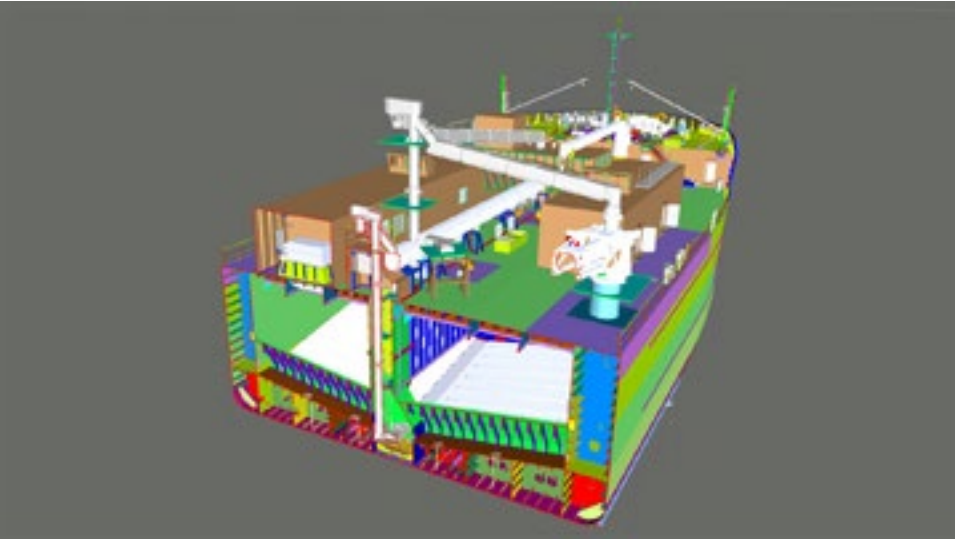
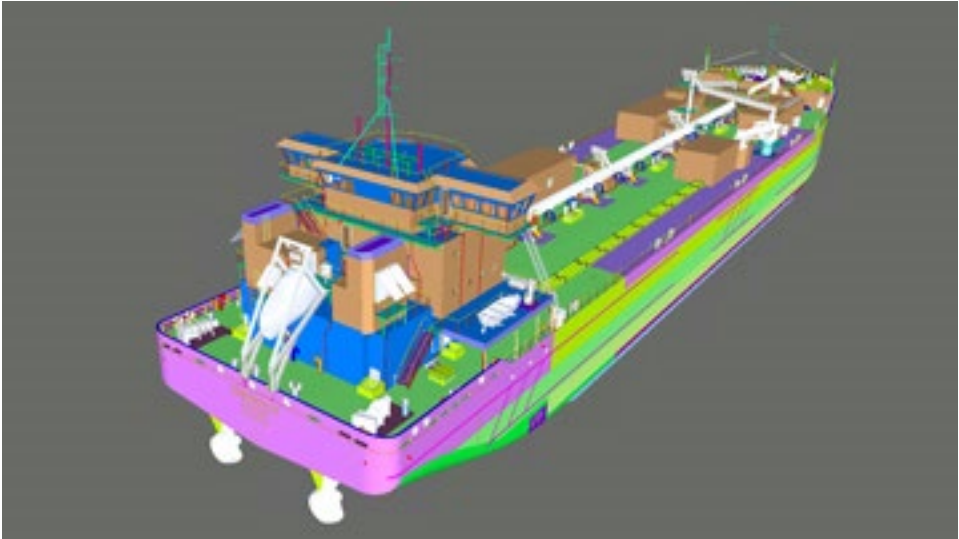
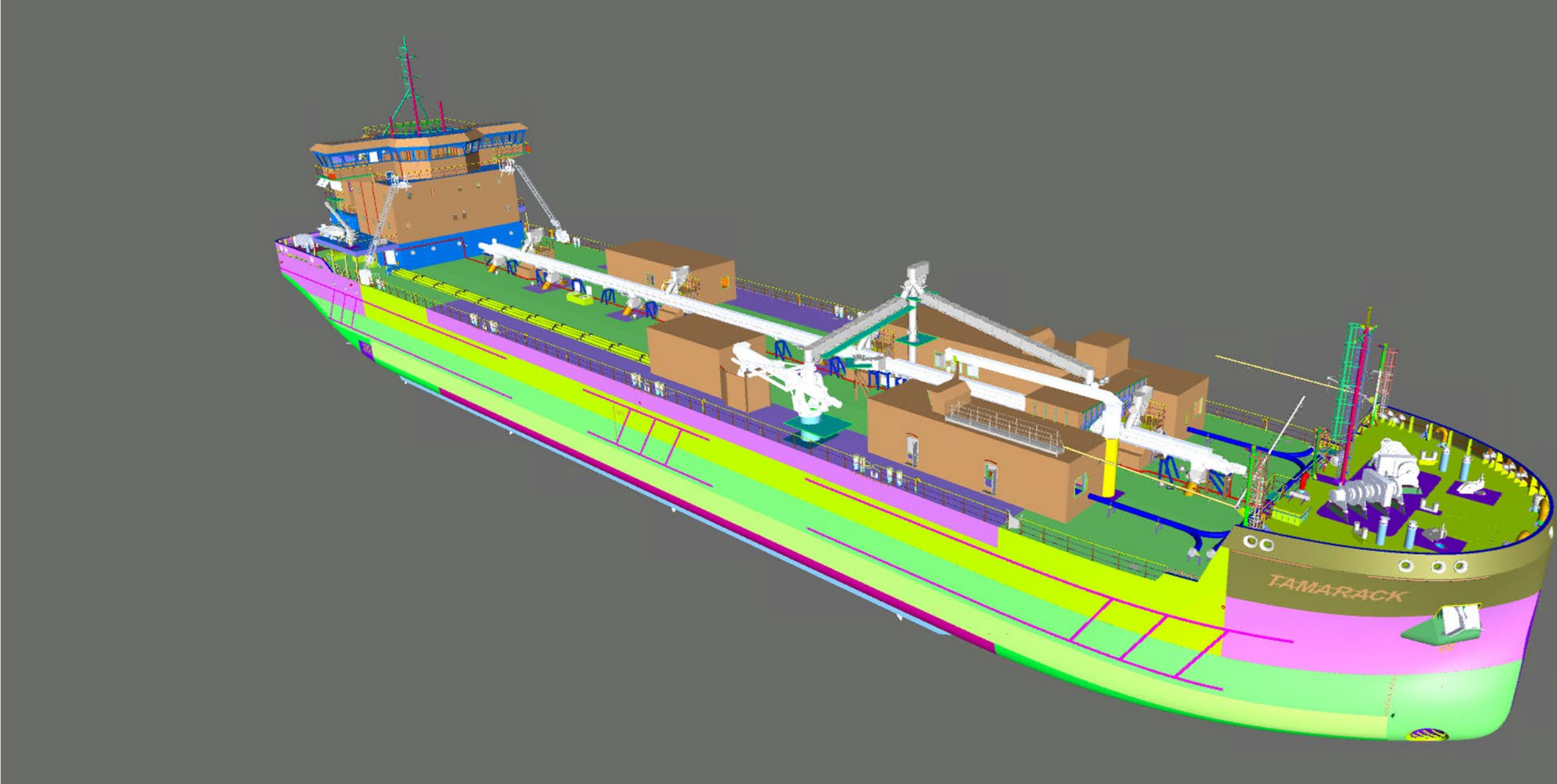


12500 TDW Cement Carrier

With a length of 124m and a breath of 23m.

To be Delivered on 2025

- Concept Design
- Basic Design
- Structural Detail Design
- Systems Detail Design



Cruise Vessel

To be delivered October 2024

Structural Detail Design



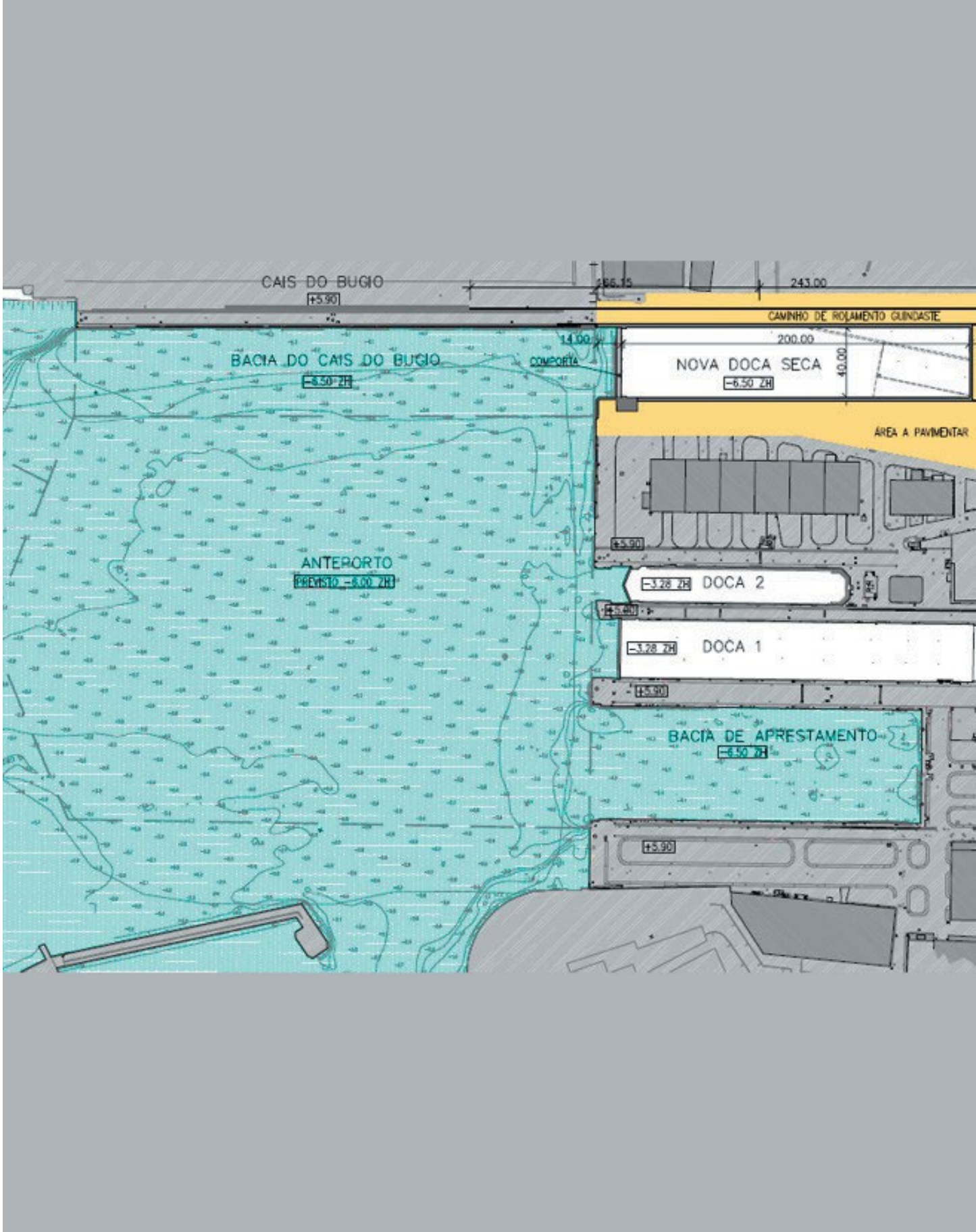
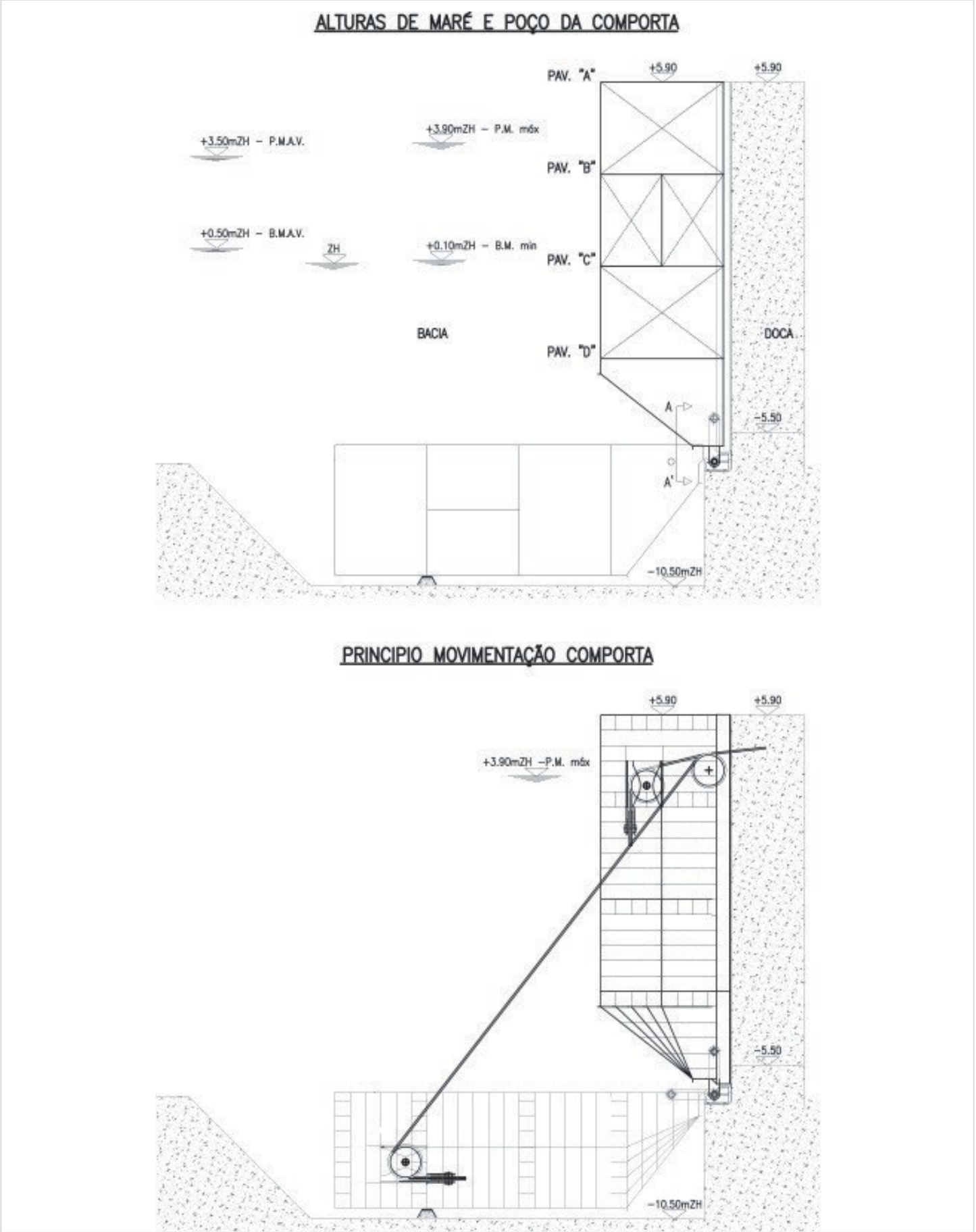
Italy



Flap gate

Gate doors for new dock at West Sea.

To be delivered.



Portugal

Drifting polar science station

Length: 26 meters, Width: 16,1 meters
Draught: 3,20 meters, Crew: 18 people
Autonomy: 500 days

To be Delivered on January

2025 In partnership with:



Structural Detail Design
Systems Detail Design



Patrol Vessel 45m

45m GRP Trimaran Ship

To be delivered.

Concept/Basic Design
Structural Detail Design
Systems Detail Design



Portugal



Patrol Vessel 65m

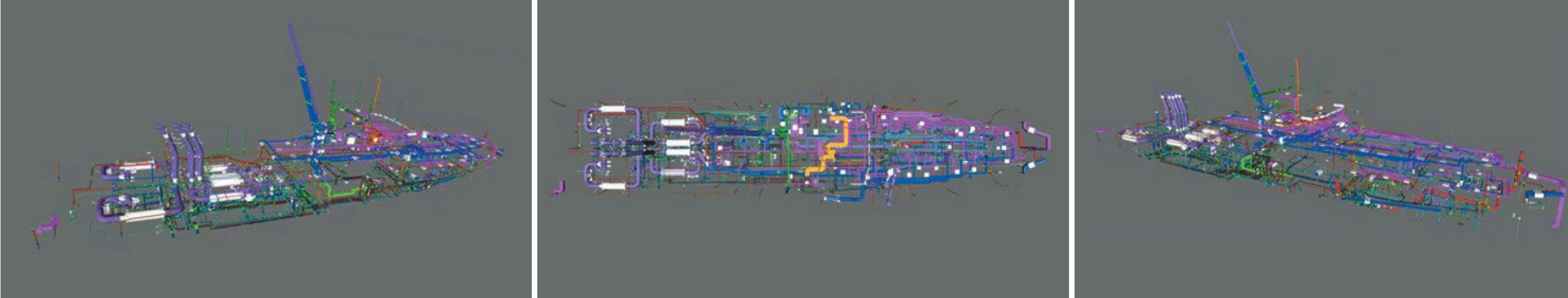
To be Delivered on 2024



Structural Basic Design
Structural & Systems Pre-coordination
Structural & Systems Detail Design



Germany





vera navis

Naval Architecture | Marine Engineering



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