

# CDS Dry Cargo 110



Concordia Damen's 'CDS Dry Cargo 110' inland waterway vessel allows skippers to sail longer at low tides and shallow water levels, a useful feat in the current climate.

**206**

TEU 4 layers

**3550**

tonnage max. draft

**3.75**

meter draft @ max. tonnage



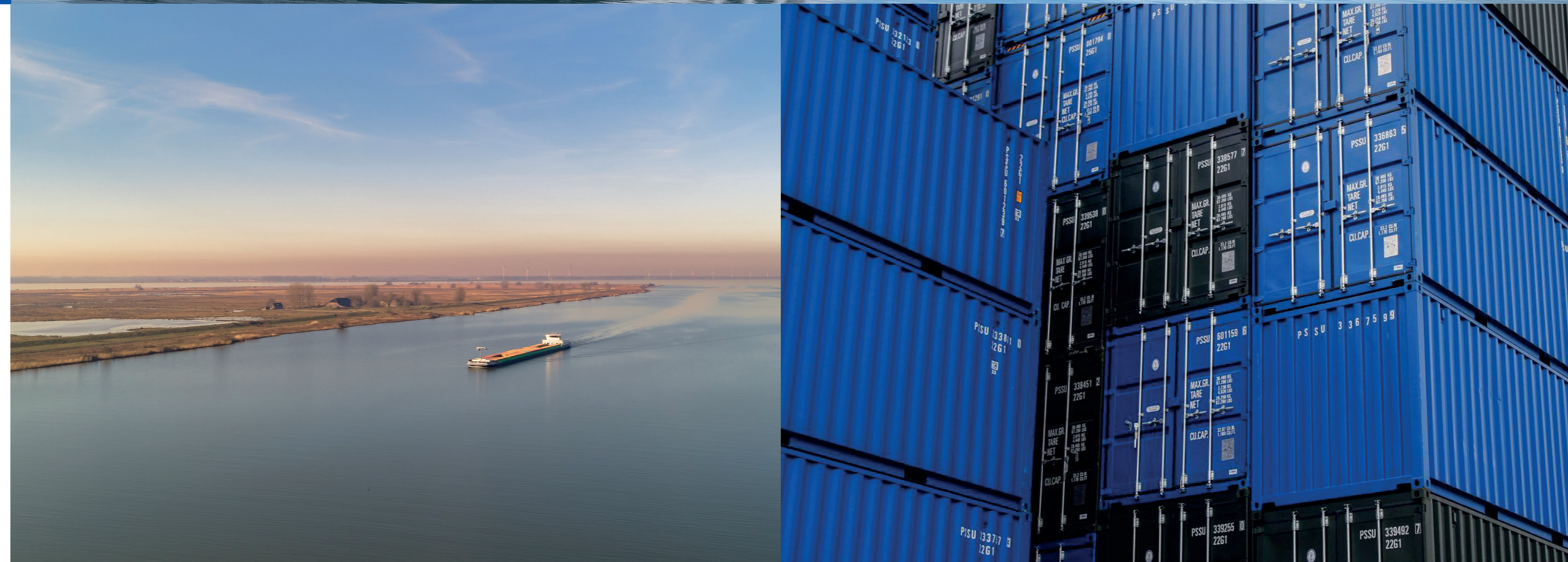
## CDS Dry Cargo 110

The 110 x 11.45 m barges can transport more tonnage and sail faster with lower fuel consumption (hence, lower emissions) than comparable vessels due to their low resistance. This is not just a statement; it has been well-researched.

Another advantage is their favourable air draught, enabling shipowners to sail under (especially German) bridges of only 4.30 m with a draft of 2.50 m.

The optimised hull shape is based on the shipyard's already successful 'Parsifal' tanker design, which features low water resistance and future propulsion adaptability.

In a time when both large and small shipowners are looking to reduce their (CO<sub>2</sub>) emissions, the relatively small footprint of the CDS Dry Cargo 110 is the perfect choice. Clients have publicly said that these were decisive elements in their choice for CDS 110 newbuild bulk carriers or container barges.



## CDS Dry Cargo 110

Type Inland Waterway Container Vessel  
 Technology Hybrid / Diesel / Battery Electric  
 Class Lloyds / BV A1IVW ADN 24 HR

### Principal dimensions

Length overall 110.00 m  
 Beam overall 11.45 m  
 Depth at sides 3.75 m  
 Draft 3.75 m

### Loading capacities

Stack load 60 tons  
 TEU 4 layers 206 TEU  
 Tonnage max. draft 3550 tons  
 Tonnage 3.5 mtr 3230 tons  
 Tonnage 3.0 mtr 2600 tons  
 Tonnage 2.5 mtr 2000 tons  
 Tonnage 2.0 mtr 1400 tons  
 Minimum draft 1.20 m

### Propulsion

Aft ship 2x 500 kW permanent magnetic  
 Propellor 1500 mm in nozzle  
 Bow thruster 1x 500 kW e-motor  
 Bow thruster system Grid 1300 mm

### Power generators

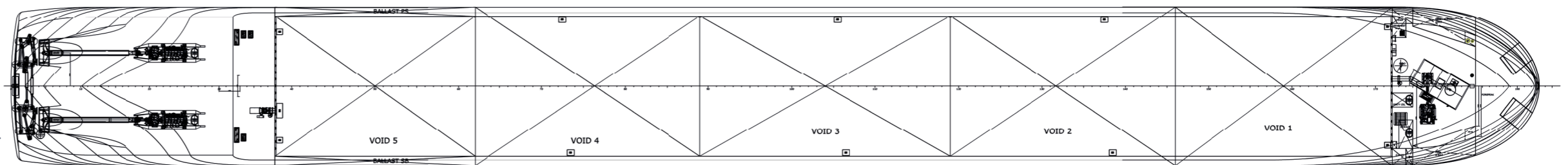
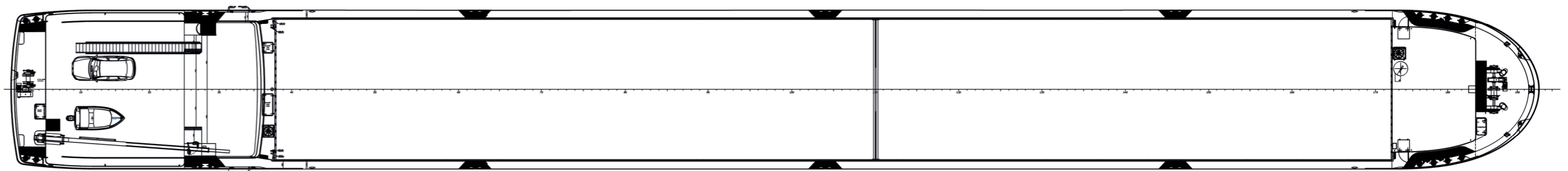
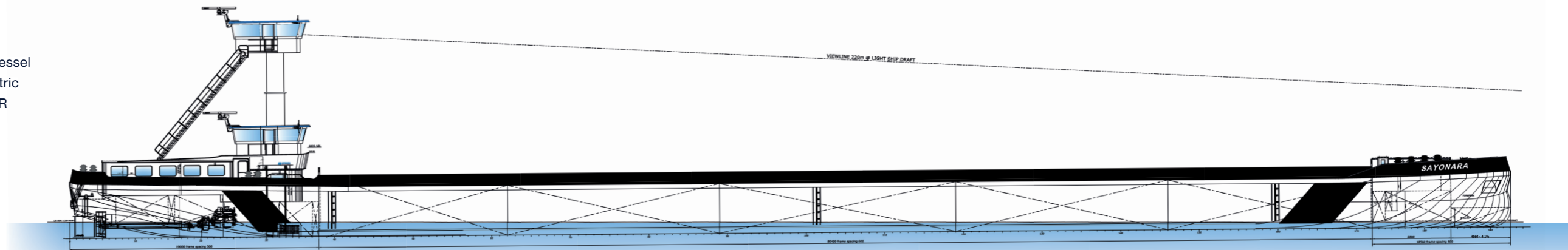
Aft generator 1x 45 kW  
 Front generator 1x 600 kW + 2x 300 kW

### Tank capacities

Fuel oil bow 30 m<sup>3</sup> + aft 24 m<sup>3</sup>  
 Fresh water 2x 5.5 m<sup>3</sup>  
 Lube oil bow 1x 1.5 m<sup>3</sup> + aft 2x 1.0 m<sup>3</sup>  
 Ad blue 2x 1.5 m<sup>3</sup>

### Propulsion (option)

Aft ship 2x 500 kW diesel engine  
 Fore ship 500 kW diesel engine with Grid thruster  
 Harbour generator 2x 72 kW diesel



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[concordiadamen.com](http://concordiadamen.com)



## Concordia Damen

Concordia Damen designs and builds inland waterway vessels with an innovative and cost-effective profile, both for (smaller) family-owned shipping companies and multinationals looking to optimise their port and river logistics. Additionally, we are a reputable shipbroker, supplying owners with selling or purchasing services.

Down-to-earth-management, a contemporary view on shipping and a track record of 250+ vessel deliveries enable us to successfully build and broker for clients worldwide.

High quality, innovation and efficient shipbuilding is the Concordia Damen trademark. We can effectively process new developments into our services – and your newbuild.

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