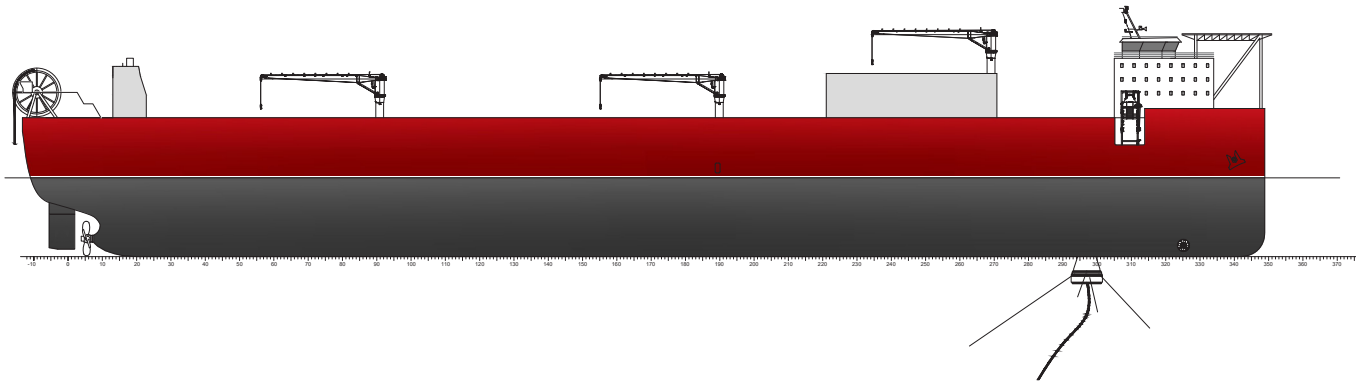


# 100,000 M<sup>3</sup> CO<sub>2</sub> FLOATING STORAGE AND INJECTION UNIT



The platform is a floating storage and injection unit dedicated to liquified CO<sub>2</sub> handling. The platform is positioned at sea and connected to injection wells via a submerged turret system.

The CO<sub>2</sub> is transferred from the shuttle tankers supporting the to the floating storage and injection unit via a stern loading system and the liquified CO<sub>2</sub> is stored in five tanks of the lattice type.

The tanks can hold liquified CO<sub>2</sub> at 6.9 bar suitable for the pressure delivered by the shuttle tanker.

The platform is equipped with CO<sub>2</sub> injection pumps and heaters to condition the CO<sub>2</sub> to injection pressure and temperature. Boil-off cooling machinery is provided for long-term storage of the liquified CO<sub>2</sub> onboard. Power interface to offshore wind turbine energy parks are provided.

## MAIN PARTICULARS

Length o.a.	253.50 m
Length p.p.	244.20 m
Breadth, moulded	47.00 m
Draught (design)	16.00 m
Draught to main deck	28.20 m

## CAPACITY

Cargo tank system	5 x lattice type tanks
Cargo pumps	10 submerged pumps
Cargo volume	100,000 m <sup>3</sup>
Cargo	Liquified CO <sub>2</sub> at -50°C /approx. 6.9 bar

## MACHINERY & EQUIPMENT

Fuel	Methanol with backup from MGO and biofuel (e.g. HVO100)
Main engine	2-stroke dual-fuel type for diesel and methanol
Aux. power	15,000 kW
Bow thrusters	1 pcs

## SPEED

Service speed.	15.0 kn
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## SCOPE OF WORK

Conceptual general arrangement

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