



Illustration and specification subject to change until final completion

DATA SHEET

Doc Ref: ENS-MAR-DAS-023_RevD

KEY FEATURES

- Extremely shallow draft
- High DWT capacity
- Suitable for engineered grounding
- Integrated cable lay spread
- Onboard accommodation
- Four independent firing lines

ENSHORE ADVANTAGE

SHALLOW WATER BARGE

Enshore Advantage is a specialist shallow draft barge designed for nearshore and inshore cable lay and marine support operations.

The barge is built of light construction with a large displaced volume which enables it to approach very close to shore, and ground out where necessary to assist with nearshore operations.

The Enshore Advantage also has a cable lay spread suitable for laying bundled HVDC cables. There is also a mooring system and spuds for positioning and an accommodation module to reduce crew transfers whilst at sea.

The cable-handling system comprises four independent firing lines, each equipped with electrohydraulic and electrical drive machinery controlled by a distributed PLC and HMI architecture with synchronised, master, and three slave system.

ENSHORE ADVANTAGE

REGISTRATION

Year Built/Builder	2026 / Holland Shipyard Middelburg Netherlands
Flag	Germany
Class	Bureau Veritas

PARTICULARS

Length	105m
Breadth Moulded	37.7m
Depth	5.6m
Light Ship Draught	1.2m - 2,600 DWT
Loaded Max Capacity Draught	4m - 13,000 DWT
Frame Spacing	325mm
Spuds	Locations for 4 x Spuds
Grounding Capability	Yes

POWER GENERATION

Marine Generators	1968 kVA - 3 x 656 kVA Volvo D-16-MG / Newage Stamford SSL 1M-F4 60 Hz 440 VAC/3 Ph
Operational Generators	Deck space and cable routing available for operational generators as required.

CAPACITIES

Fuel Oil	350m ³ - 328m ³ + 22m ³ Overflow
Fresh Water	700m ³ - 2 x 350m ³
Black Water	549m ³
Bilge / Oily Water	3320m ³ - 2 x 960m ³ + 2 x 700m ³
Ballast Tanks	2406m ³ - 2 x 724m ³ + 2 x 479m ³
Ballast Water Treatment	300m ³ /h - IMO D2 system
Ballast Water Transfer	300m ³ /h - 2 x 150m ³ /h pumps / 2 x seachests

MOORING & TOWING

Mooring Winches	5 x Kraaijeveld 60Te x 15m/min (30Te x 25 m/min) 120Te holding capacity with balanced head fairleads, c/w 1100m 56mm Dyneema synthetic mooring lines.
Mooring Equipment	8 x 33Te Mooring Bollards
Towing Equipment	Forward and aft 120Te capacity Schmitt Brackets

DECK LOADING

Clear deck area	2500m ² @ 8Te / m ²
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HYDROSTATIC DATA BY DRAUGHT

Draught (m)	Deadweight (Ton)		Ton / cm Saltwater	KMT (m)	Displ SW
	Freshwater	Saltwater			
1	1658	1752	39	121	3867
1,2	2427	2541	39	101	4656
1,4	3201	3333	39	87	5448
1,6	3978	4130	39	76	6245
1,8	4759	4931	39	68	7056
2	5544	5736	39	61	7851
2,2	6331	6543	39	56	8658
2,4	7118	7349	39	51	9464
2,6	7905	8156	40	47	10271
2,8	8693	8963	40	44	11078
3	9480	9769	40	41	11884

ENSHORE ADVANTAGE

METALLIC RETURN CAROUSEL

Storage Capacity	15,792m of 124.2mm Diameter Cable
Max Line Speed (at core)	13.2m/min
Capacity	298Te (& 750Te @ 10.7m)
Outside Diameter	7.65m (Expandable)
Inside Diameter	4.6m
Stack Height	3.75m

x2 HVDC CAROUSELS

Storage Capacity	15,792m of 150mm Diameter Cable
Max Line Speed (at core)	13.2 m/min
Capacity	373Te (& 950Te @ 13m)
Outside Diameter	9.5m (Expandable)
Inside Diameter	6m
Stack Height	3.75m

x3 LOADING TOWERS

Equipped with a 2Te capacity, 2-wheel pair (2Te 2WP) electric drive cable, LIDAR Catenary monitoring, and primary control will be from the Cable Control Room (CCR), with back up control available at the unit electrical drive panel. All loading arms have slew and tilt functionality.

CRANE CAPACITY

Crane	2 x 2.5Te @ 15m
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FIBRE OPTIC STATIC BASKET

Storage Capacity	15,800m of 23mm diameter FO cable
Capacity	24Te
Outside Diameter (Carousel)	4m
Inside Diameter (Core)	1.9m
Stack Height	1m

x3 TENSIONERS

Configuration	Side Loading
Max Tension	5Te (in either direction)
Performance	0 - 13.2m/min
Product Ø Range	50mm to 475mm
Max Track Opening	500mm
Min Grip Force	15kN/m/track
Max Grip Force	110kN/m/track

OPERATIONAL SUPPORT INTERFACES

Our integrated operational support interfaces provide reliable, high-speed connectivity across the vessel, linking control systems, survey equipment, CCTV, voice communications, and project networks through a resilient fibre-optic backbone. Segregated networks, strategically positioned connection points and remote monitoring capability enable safe, efficient operations while providing flexibility for future equipment and project requirements.

JOINTING

Joining Container	20' Containerised joining facility
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ENSHORE ADVANTAGE

DESIGN TEMPERATURE

SUMMER:

Outside 45°C - 70% RH

Inside 24°C - 50% RH

WINTER:

Outside -15°C

Inside 20°C

Seawater Temp 2°C

DECK 1 - FACILITIES MODULE

Change Room

Technical Room

Laundry

Barge Control Room

Offices x2

Medical Room

Gym

DECK 2 - RESTAURANT MODULE

Restaurant

Galley

Galley Stores

Day Room

DECK 3 & 4 - ACCOMMODATION MODULE

Berths 12 x 2 person cabins per deck

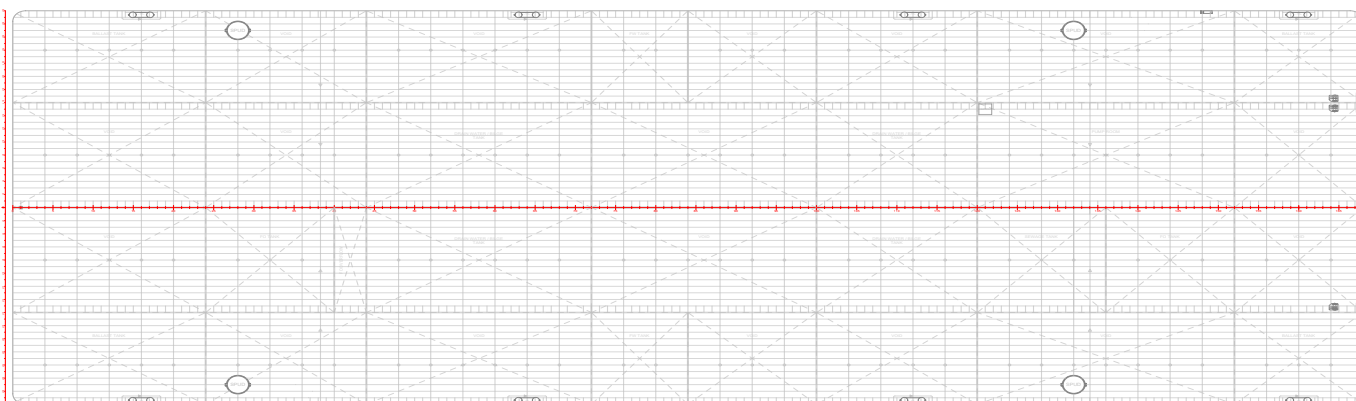
Maximum POB 48 pax

DECK 5 - BRIDGE DECK

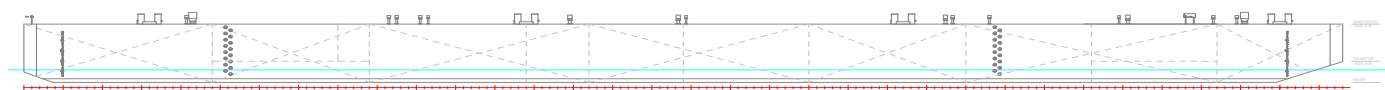
Bridge module with navigation and mooring controls

Project CCR Containerised 20'

Survey Module Containerised 20'



PLAN ON MAIN DECK



ELEVATION ON STBD SIDE

