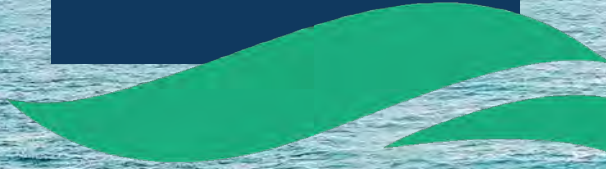


HEA

ECO 4



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HEA ECO 4

A next-generation offshore construction vessel, purpose-built in 2026 to support a wide range of offshore operations with efficiency and versatility. Designed to accommodate up to 100 personnel, it features a hybrid Integrated Electric Propulsion System (IEPS), advanced battery storage, and DPS-2 dynamic positioning. With a high-capacity main crane, spacious open deck, and full compliance with modern safety and class standards, HEA ECO 4 delivers reliable performance while aligning with the latest sustainability and operational excellence requirements.

CLASSIFICATION AND RULES

Type:	Offshore Construction Vessel
Built:	2026
Yard:	Fujian Mawei Shipbuilding, China
Class:	ABS + A1 (E) Offshore Support Vessel, SPS, + AMS, FFV1, HYBRID IEPS [LEE, PMT], ESS-LIBATTERY + DPS-2, UWILD, BWT, MLC-ACCOM, CRC, RW
Flag:	Panama
IMO:	1078470

MAIN DIMENSIONS

Length (overall):	69.8m
Length Waterline:	69.33m
Width overall:	17.6m
Hull depth:	6.0m
Design Draft:	3.5m
Scantling Draft:	4.5m
Deadweight:	2,000T
Working Deck:	520m ²
Deck Loading:	7.5mt/m ²
GRT/NRT:	3,173/951 T

CAPACITIES

Fuel Oil:	648m ³
Fresh Water:	958m ³
Ballast/Drill Water:	1500m ³

DECK EQUIPMENT

Capstan:	2 x Electro-Hydraulic Drive (Vertical) 50KN
Tugger Winch:	2 x Elec-Hyd Drive with 1 mooring drum, 100 KN
Anchor Windlass:	1 x Electro-Hydraulic Drive Anchor, 100 KN, 44 mm
Sewage treatment:	1 x 100 Persons Per Day
Water Maker:	2 units x 15m ³ /day RO

DYNAMIC POSITIONING SYSTEM

K-POS DP-21
K-Pos OS (2), cWing Terminal (1), cWing Connection Box (3), K-Pos DPC-2 Dual Redundant Controller (1), UPS (2), Printer (1), Portable Joystick wing (1), DGPS (2), MRU (3), Ultrasonic wind anemometer (3), Laser Based position reference terminal (1).
DP Reference Systems:
-Light Weight Taut Wire System MK 16B
-RADius 2000 Dual
-HiPAP 352P

CRANES

Main crane	Telescopic Boom
Boom length:	36m
Main Hoist:	Hs=1.5m, 70t@ 6.5-8.5m, 20t@ 20m Hs=2.0m, 50t@ 6.5-8.5m, 15t@ 20m
Subsea 55m:	Hs=2m, 70t@ 6.5-8.5m, 20t@ 20m
Aux Hoist:	Hs=1.5m, 10t@ 7-30m, 6t@ 7-36m Hs=2.0m, 8t@ 7-30m, 5t@ 7-36m
Subsea 55m:	Hs=2m, 4t@ 7-30m, 2t@ 7-36m
Personnel:	Hs=2m, 2t@ 7-36m
Auxillary Crane:	1 x Pedestal
Capacities:	3 ton @ 3.3-13.5 m

SAFETY SYSTEMS

Fire and gas detectors throughout the whole vessel in full compliance with MODU requirements.

2 x 50 POB/Lifeboats
4 x 25 men inflatable life-rafts.

PROPULSION UNITS

Thrusters:	2 x Azimuth (TLAT2000WM) 1470 KW @ 1020 rpm 2 x Bow (TLTT165-CP), 700 KW @ 1180 rpm, 110 KN thrust
Speed:	12 kts @ 4.5m draught

EXTERNAL FIRE-FIGHTING

Fire Monitor:	2 x 1200 m ³ /h (1 foam)
Fire Pump:	2 x 1830 m ³ /h @117m

GENERATORS

Main Engine:	4 x Cummins CCFJ1350-Z-W-MTCM 1350kW @ 1800 rpm,
Em,cy Gen	1 x Cummins CCFJ250-Y-W-MTCM 250 kW @ 1800 rpm
Battery:	3 x 172.2 KWh (500 KWh), LFP Battery system with BMS, 690V

ACCOMMODATION AND FACILITIES

Standard accommodation:
100 total POB
12 x 1 men berth
20 x 2 men berth
12 x 4 men berth

Cabins equipped with en-suite shower/toilet, telephone, TV/DVD and network connections.

Facilities

Galley, mess room, client offices, meeting room, recreation rooms, gym, sick bay, laundry, stores and workshops