

CMOS, A JOINT VENTURE BETWEEN



CMOS INSTALLER

88 M - 5935 kW - DP2 - Cable Lay Vessel



VESSEL SPECIFICATIONS

Shallow draft, highly maneuverable cable laying vessel with proven track record

INTRODUCTION



CMOS INSTALLER, OWNED IN JOINT VENTURE BETWEEN ENSHORE SUBSEA AND HERBOSCH-KIERE, SUPPORTING CLIENTS WITH CONSTRUCTION PROJECTS WORLDWIDE.

CMOS Installer is a highly manoeuvrable DP2 vessel with a shallow draft, and a proven cable-laying track record stretching back 25 years.

The vessel is managed and operated jointly between Enshore Subsea and Herbosch-Kiere via the Combined Marine Offshore Services (CMOS) company.

Pierre Boyde, Enshore Subsea CEO, said:

“The CMOS Installer fits perfectly with Enshore Subsea’s strategy of focussing on shallow water EPCI cable projects, as well as complete trenching solutions from beach approach to deep water. We are delighted to work alongside Herbosch-Kiere, to offer our clients a complete package approach with onshore and offshore capability.”

Benny De Sutter, Herbosch-Kiere Managing Director, said:

“The cable laying vessel CMOS Installer expanded Herbosch-Kiere’s capabilities in the offshore industry, and allows us to execute projects with greater efficiency and reliability. Together with the know-how of Enshore Subsea, we are committed to delivering high-quality solutions to our clients and driving the subsea sector.”

VESSEL SPECIFICATIONS

REGISTRATION

Year built / builder	1999 / De Hoop B.V. Lobith, The Netherlands
Year upgraded / builder	2012 / Astander Shipyard, Spain
Flag	BE
Class	I ✕ Hull Special Service / Cable laying ship Unrestricted navigation ✕ DYNAPOS AM / AT R INWATERSURVEY ✕ MACH
Call sign / IMO No.	ORQV
Owner & Operator	Combined Marine and Offshore Services NV

DIMENSIONS

Length overall	88.2 m (92.1 m including the stern chute)
Breadth moulded	24 m
Depth moulded	5.5 m
Maximum draft	4.5 m
Deadweight	Around 4677 t
Registered tonnage	GRT: 4904 / NRT: 1472

MACHINERY

Propulsion system	Diesel-electric propulsion system with DEIF PPM-300 PMS
Main propulsion	2 x Schottel SRP 1212 FP azimuth thrusters, 1200 kW each
Bow thrusters	1 x Schottel SRP 1212 ZSV retractable azimuth thruster, 1200 kW 1 x Schottel STT 1010 LK FP tunnel thruster, 1100 kW 1 x Schottel STT 4 CP tunnel thruster, 1044 kW
Bollard pull thrust (v=0kn)	2 x 23.7 t BP SRP 1212 FP + 1x 23.7 t BP SRP 1212 ZSV
Generators	4 x Caterpillar 3512 B engines, 1424 kW, 480 V 3ph 60 Hz each
Emergency generator	1 x Scania DS-9 95 175 kW, 480V 3ph 60 Hz

DP EQUIPMENT

DP Class	DP Class-II
DP System	Converteam DPS21 Duplex DP with remote Joystick fwd and aft control
Reference Systems	<u>DGPS-</u> 1 x Fugro Seastar 8200HP 1 x Fugro Seastar 9200G2 1 x Fugro Seastar 9205NSS <u>USBL-</u> 1 x Nortek ADCP Head - VM Operations Series <u>VRU-</u> 2 x TSS DMS-525RP (0.25° RMS – surface unit) <u>PRS-</u> 1 x Radarscan <u>TRANSOM POLE-</u> 1 x Norbit WBMS-STX

CAPACITIES

Fuel oil	640 m³
Fresh / drill water	793 m³
Ballast tanks	2476 m³
Chiller	1 x 20 m³ + 1 x 15 m³
Freezer	2 x 20 m³
Clear deck area	931 m² total 1 x 350 m² main deck @ 10 t / m² 1 x 100 m² tensioner deck 1 x 54 m² ROV platform 1 x 27 m² ROV control platform 1 x 400 m² carousel

OFFSHORE AHC CRANE

Make	TTS marine A/S, Model GPOKAC 2000-70-30
Type	Knuckle boom active heave compensation (AHC) crane
Maximum water depth	300 m
Personnel lift	1.5 t
Lifting capacity - Main	SWL 35 t @ 5-30 m single fall SWL 70 t @ 5-14 m double fall
Lifting capacity - Aux	SWL 5 t @ 30 m
Hoisting speed	Main: 0-24 m per min Aux: 0-50 m per min
Slewing	360 degrees continuous
Operational limits	Maximum wind velocity: 24 m / s Maximum trim: 2 deg Maximum heel: 5 deg

CABLE HANDLING EQUIPMENT

Turntable / carousel	Maximum capacity 3560 t (4000 t optional*) Inside diameter 8 m Outside diameter 24 m Height of carousel 4 m + 1.5 m Volume of ring 1608 m³ + 603 m³ Surface ring 379 m² Turntable speed 2 rpm max Main loading arm installed Max product diameter 350 mm Max product weight 150 kg / m Cable divider installation is optional
Hoisting winches	1 x Electric planetary hoist winch with CT mode
Fibre optic drum	Fibre-optic cable bin is not avail., but optional Inside diameter: 3 m Outside diameter: 7 m Height of drum: 1.8 m
Cable splice area	100 m² tensioner deck
Trenching winch (optional)	150 t - 1000 m
Flexible pipe laying (optional)	Max product diameter 350 mm

FULL VESSEL SPECIFICATION IS AVAILABLE UPON REQUEST



FOR FURTHER INFORMATION PLEASE CONTACT INFO@ENSHORESUBSEA.COM