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CLV/DSV Cable One



Cable One is a multipurpose DP1 Installation Vessel converted 2000 and upgraded with a DP system in 2014. It can operate worldwide, and can be adapted to many different tasks such as cable installation, survey & ROV-work and offshore diving. Equipped with an attachable rear end, the vessel is ideal for repair of FO and small power cables.

GENERAL		DIMENSIONS		MACHINERY		
Name	Cable One	Length	35.30 m	Main engines	1X	1326 KW
Call sign	OVZC2	Breadth	9.50 m	Stern thrusters	1X	200 kW
IMO number	7409281	Light draft	4.6 m	Azimuth thruster (retractable)	1X	280 kW
Flag	Danish	Max. draft	5.5 m			
Built	1976	Gross tonnage	419 mt	Tow winch	1X	10 mt
Converted	2000	Cargo deck area (5,5 m x 10,5 m)	57,75 m ²	Aux. engines	1X	651 kW
Classification	Rina					
Certification	CLV/DSV					

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**All figures and data believed to be correct, but not guaranteed*

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CLV/DSV Cable One

DP1 & Four Point Mooring Installation Vessel

NAVIS NavDP 4000 DP1 SYSTEM

The NAVIS NavDP 4000 series provides manual, automatic or combined (semi-automatic) ship control.

There are both separate and simultaneous NAVIS NavDP1 4000 series control of ship position (coordinates) and heading.

The system is included ROV follow up and direct link-up with USBL.



Bridge equipment

Cable One has radio- and navigation equipment according to industry standard:

- Transas ECDIS chart system
- Satellite Communication
- Navi Pac Online connected to precise RTK DGPS, ORE USBL BATS Portable System and depth sensors

The system can communicate with Cable Laying Equipment, ROV's and tugs which gives exact location of vessel, cable & ROV.



Survey area

On the bridge is a dedicated survey area prepared with cabling etc. so it can be connected with data from both the bridge and equipment on deck.

In addition, a dedicated survey container can be added on the boat deck.

Additionally, side scan sonar, multibeam, ROV etc. can be launched and operated from the deck.



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Offshore Diving Systems

Cable One is permanently equipped with Complete Offshore Diving System certified by DMA.

The diving systems onboard C/S Cable One have the latest technology for conventional diving as well as Nitrox and Trimix diving.

This allow for diving operations down to a water depth of 50 meters.



Cable tank

CLV Cable One can hold of up to 250 tons of cable in its coil tank and has a loaded draught of only 5.5 meters.

In connection with cable laying work the vessels is rigged with tensioners, rollers and chutes.

In case the cable needs to be handled from a drum, a drum stand capable of handling drums up to 40 t can be installed on the vessel.



A-frame & four-point mooring

A 25-ton A-frame is installed on the vessel which among other enables the vessel to launch and recover ROV's of significant size.

The vessel is also equipped with a towing winch (P = 10 mt)

Furthermore, the vessel is equipped with four warp winches and 4 X 1 t Delta Flipper anchors for operating in four point mooring.



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Capacity			Consumption	
Cargo fuel max	mt	90	Engine consumption 80%	3,2 mt
Portable water	m ³	40	Engine consumption DP	1,8 mt
Lubricating oil	mt	1,3	Type(s) of fuel used	Marine gasoil
Max speed	knots	12	Endurance (days)	25
Service speed	knots	10	Ranges at cruising speed	9500 nm
Crane	3.6m/9.5mt	16.7m/1.7mt	Accommodation	
A-Frame	T	20		
Bollard pull	T	16	Crew (min)	5
- incl. azimuth	T	18	Passengers (max)	11

