



OFFSHORE SOLUTIONS UNLIMITED

DP.2 DSV 120.8m



## GENERAL DESCRIPTION

Type: MP Subsea Construction Vessel

Design: STX OSCV 11 L  
Built by: NB 776 STX Søviknes Norway  
Year of Build: Q2 2013  
Accommodation: 100 persons  
Gross Tonnage: 8903 t  
Net Tonnage: 2671 t

Area of Operation: Worldwide  
Flag: Norwegian

### Classification

DNV+ 1A1, E0, DYNPOS-AUTR(IMO),  
DK(+), HELDK, ICE-1B, DEICE,  
CLEAN DESIGN, NAUT-OSV, COMF-  
V(3)C(3), SPS, CRANE

## TECHNICAL SPECIFICATION

### Main Dimensions

Overall length:	120.8 m
Length between p.p:	111.2 m
Breadth molded:	22.0 m
Depth main deck:	9.0 m
Draft (max):	6.6 m

### Deck Equipment

2 x Windlass/Mooring winches fwd. -  
Hatlapa  
2 x Mooring winches aft - Hatlapa  
2 x Provision cranes -  
Cargotech/MacGregor 3t

### Deck Space

Deck Material:	Steel/wood
Moonpool Work:	7 m x 7 m
Moonpool ROV:	4.8x 5.5m
Main Deck Area:	1350 m <sup>2</sup> 10 t/m <sup>2</sup>

## TECHNICAL SPECIFICATION

### DP System

DPII Kongsberg SDP 21 (DP2)  
Ref.Systems Gyrocompass 3x  
STD22 Anschutz  
2 x DGPS (Seatex 132 & 232)  
1 x Radius 1000  
2 x Hipap 500  
2 x Seapath 300

### NAV/Com

X - Band / S-band radar  
1 x Furuno FE-700 Echo sounder  
2 x Telchart Dual TECDIS T-2138A  
1 x Sailor 6110 Sat C  
1 x Fleet Broadband 250 Sat phone  
1 x C band VSAT

### Power & Propulsion

Main:  
4 x Wartsila 6L32 each 2 880 kW  
(total 11 520 kW)  
SCR System  
Em. Gen:  
1x Nogva Scania DI 12 62 M 285kW

### Thrusters

Stern  
2 x RR Contaz 35 (Ice strenghtened)  
each 3 000 kW  
Bow  
2 x RR TT2650 each 1 900 kW  
1 x RR TCN92M each 1 500 kW

### Rescue

1 x Weedo 700 - 222 hp waterjet.  
1 x Midget 500 mkII - 50 hp outboard  
2 x 106p Norsafe JYN100 Life boats  
(100% each side)

### Accommodation

100 persons  
2 Day rooms  
2 Client Cabins  
Project meeting room  
Conference room  
Sky lobby / cinema  
Gymnasium  
Helideck reception  
28 Single Cabins / 38 Double Cabins

### Helicopter Deck

Supplier: Maritime Products AS  
Size: D=26,1  
Aircraft type: S92 Sikorsky  
Classification:  
NMD,CAP437,MODU1989,DnV

### Speed

Maximum Estimated full speed of 16  
knots  
Transit Speed of 13 knots

### Fuel Consumptions

In Port: 3m<sup>3</sup>/24 hrs  
Transit: 25m<sup>3</sup>/24 hrs  
Full Speed: 43m<sup>3</sup>/24 hrs  
DP: 7-15m<sup>3</sup>/24 hrs (depend  
on the weather)

### Tank Capacities

Fuel oil: 1400m<sup>3</sup> - 1 pump a 75 m<sup>3</sup>/hr –  
3 bar – (Delivery to Main Deck)  
Drill/ Ballast water: 4900m<sup>3</sup> - 2 pumps  
a 150 m<sup>3</sup>/hr – 4 bar – (Delivery to Main  
Deck)  
Fresh water: 1000m<sup>3</sup> -2 pumps a 75  
m<sup>3</sup>/hr – 3 bar – (Delivery to Main Deck)  
MEG/ Brine: 600m<sup>3</sup> - 2 two-spindle  
screw pumps a 150 m<sup>3</sup>/hr – 9 bar  
Meg /Brine system includes 2 tanks  
with integrated tank washing system.  
Slop: 2 tanks 30 m<sup>3</sup> capacity each.

## ROVs

### Schilling UD32:



LARS	Active Heave Compensated
HPU	200Hp, 149KW
Depth rating	3000m
Autofunction	Stationkeep (DP) Heading, $\pm 2^\circ$ , 360° range Depth, $\pm 15$ cm Altitude, $\pm 15$ cm Roll, $\pm 2^\circ$ , 12°/-5° range Pitch, $\pm 2^\circ$ , $\pm 6^\circ$ range
Payload	250 Kg
TMS	with 900m tether length
Manipulators	Schilling Titan 4 Schilling Rigmaster
Vehicle dimensions	Length 2 900 mm Width 1 700 mm Height 1 900mm
Speed	Fwd/Aft 3.15 knots Lateral 2.3 knots Vertical 2.43 knots
Bollard pull	Forward/Aft 900 Kg Lateral 900 Kg Vertical (Up/Down) 850 Kg
Lights	(10) Variable 120VAC/ 250W
Camera	(5) Kongsberg (1 HD color camera fiber output) (1) TITAN 4 Wrist camera
Pan & Tilt	2 Electric Pan & Tilt Unit
Valve Pack	(2) 8-function
DVL	Teledyne RDI

### Schilling HD 05:



LARS	Active Heave Compensated
HPU	150Hp, 112KW
Depth rating	3 000m
Stationkeep (DP)	10cm watch circle
Payload	250 Kg
TMS	Schilling XE™, with 425m tether
Manipulators	Schilling Titan 4 Schilling Rigmaster
Vehicle dimensions	Length 2 500 mm Width 1 700 mm Height 1 900mm
Speed	Fwd/Aft 3 knots Lateral / Vertical 2.2 knots
Bollard pull	Forward, 1000kg Aft, 880 kg Lateral, 930 Kg Vertical (Up), 465Kg Vertical (Down), 576kg
Doppler	RDI 1200kHz
Lights	(10) Variable 120VAC/ 250W
Pan & Tilt	2 Electric Pan & Tilt Unit
Camera	Same with Schilling UD 32
Valve Pack	(2) 8-function

# CRANES

## Offshore Cranes

1 x National Oilwell 250t Subsea AHC Knuckle Boom crane.  
 Main winch max lifting capacities 250t, 96mm wire, length 2500m.  
 Operation radii 12-36 m.  
 Aux winch max lifting capacities 20t, 34mm wire, length 2500m.  
 Operation radii 9-40 m.

## Deck Cranes

2 x Electro-Hydraulic deck / provision cranes.  
 Each crane capacity: 3.0T/15m



