



## OVERVIEW

This DP3 Semi-Submersible Crane Vessel is a multi-functional asset with the ability to offer various services such as: Accommodation, Heavy Lifting, Installation, Modification, Decommissioning, Renewables and Subsea Installation & Removal.

With proven high up-time and large crane capacity of 3.600 tons in tandem, this unit offers efficient capabilities to Clients including suitable & safe facilities of Floatel.



## MAIN CHARACTERISTICS

- Hotel capacity is 618 persons on board
- DP-3 with the highest DP standards
- Construction/crane vessel 2x1800 tons
- Platform removal and installation
- Excellent motion characteristics
- Low running costs of around 25% lower fuel consumption in DP and transit
- High transit speed of 11 knots



# DP-3 SSCV SPECIFICATION

## GENERAL

Class	: ABS
Notation	: +A1 Column- Stabilized Unit, Crane Service. Construction & Maintenance Service, UWILD Accommodation Service AMS ACCU DPS3 Circle M

## PRINCIPAL DIMENSIONS

Overall	
LOA	: 137.75m
Beam	: 81.00m
Height (BL to main deck)	: 39.00m
Deck Box	
Height	: 81.00m
Width	: 81.00m
Depth	: 9.00m
Draft	
Max operation Draft	: 26.40m
Operation Draft	: 20.00m
Survival Draft	: 17.00m
Transit Draft	: 11.28m
Light Ship Weight	
Light Ship Weight (Maximum)	: 33.600MT
Displacement	
Displacement (approx at 20m draft)	: 55.700MT
Transit Speed	
Transit Speed (at draft of 11.28m)	: 8 knots

## DESIGN ENVIRONMENT

Survival condition	: Hs=12m
Hotel Operation condition	: Hs=6.0m
Transit condition	: Hs=6.0m
Sea water temperature	: 0°C to 32°C
Outside air temperature	: -10°C to 45°C
Structure design temperature	: -10°C
Fatigue life	: 20 years

## OPERATION AREA

West African  
Gulf of Mexico  
UK North Sea

## VARIABLE DECK LOADS

Hotel Variable	: 4.444MT @20m Operational Draft
Crane Variable	: 7.070MT @26.4m Operational Draft
Survival Variable	: 4.429MT @17m Operational Draft
Transit Variable	: 3.570MT @11.5m Operational Draft

## BALLAST SYSTEM

Ballast pump	: 4 x 350m <sup>3</sup> /hr & 4 x 200 m <sup>3</sup> /hr
Air compressor	: 4 x 8390 Nm <sup>3</sup> /hr, Max Pressure 2,6 bar

## FIRE FIGHTING & SAFETY

Fire Fighting	: 2 x Centrifugal type, Pressure min 14 bar
Life Boats	: 12 x 104 persons fire proof life boats complete with davits
Rescue Boat	: 1x motorized Rescue Boat (9 man) with launching davit
Life Rafts	: 25 x 25 persons life rafts

## HELIDECK

Helideck notation	: D-value 22,8 / 't' value 14,6 (Sikorsky S-92 and S-61N or similar)
Helideck structure	: Steel

## ACCOMMODATION

Total beds on board the vessel is then crew/owner/class  
100 + 32 + 2 = 134, client 484. Total 618 beds.  
Mess facilities installed and fitted for 329 persons.

## MAIN AND AUXILIARY MACHINERY

Main Generator Set	: 8 x 3860 kW, 6600 V, 60Hz, 3ph
Emergency Generator	: 1x 1825 kW, 440 V, 60Hz, 3ph
Thruster	: 6 x 3,800 kW fully Azimuth Thruster
Fuel Oil Transfer Pump	: 4 x Screw pump, 75 m <sup>3</sup> /hr, 8.0 bar
Fuel Oil Purifiers	: 4 x Capacity 5,000 l/h
Start Air Compressor	: 4 x 50 m <sup>3</sup> / hr @ 30 bar
Service Compressor	: 2 x screw type 1500 m <sup>3</sup> /hr @ 8 bar
Sewage Treatment Unit	: 2 x 310 persons
Fork Lift	: 1 x Linde E30S, 3 tons

## MAIN CRANE

Main Deck Crane	: 2 x 1,800 tons @ 27m, slewing Huisman
Tandem Lifting	: Lifting 3,600T

## DECK MACHINERY

Deck Crane	: 2 x Cranes 40 tons @ 20m
Gangway	: 1 x Telescopic hydraulic gangway with base of approx. 36.5 ( 6m) length, Marine Aluminium

## ANCHOR SYSTEM

Four (4) 25T anchors x Flipper Delta 25T anchor, One (1) Flipper  
Delta 25T spare anchor.  
Four (4) mooring winches design, electrically-powered, single drum mooring  
winches, Break holding force (1st layer) 4000 KN, pull (1st layer) 1800 KN at  
10m/min, complete with 2,000 steel rope of 3" diameter.

## TOWING, MOORING & LASHING

8 set x double bollards and Panama Chocks / 4 x SMIT Towing Brackets  
with SWL 2 x 250 MT each associated with Panama Chocks / 8  
sets x 10 tons air winches / Two (2x) x double drum Barge Mooring  
Constant tension winches with fairlead