



## OFFSHORE CONSTRUCTION VESSEL

# SAID ALETHEIA

The Said Aletheia is CCC's purpose designed and built multi-purpose Diving Support and Subsea Construction vessel, which has an ABS classification of DPS-2 + EHS-C. The vessel has a GE C-Series duplex DP system as well as a C-Series Simplex DP System in the Auxiliary DP Control Room, giving Class III control capability. The vessel is classed according to SPS 2008.

The vessel is equipped with a fully integrated ABS classed 12-man saturation diving system capable of operating down to a depth of 300m. It is environmental friendly with focus on low fuel consumption through its diesel electric machinery.

The Said Aletheia has a 150mT SWL knuckle boom subsea crane, full active heave compensated. This provides true operating capability down to 2,000m water depth. The vessel accommodates up to 149 personnel. On-board facilities include a 800m<sup>2</sup> deck (capable of supporting loads of 10T/m<sup>2</sup>), plus an elevated helipad at the bow. It is ideal for subsea installation, inspection, construction diving and ROV support.



## HIGHLIGHTS

- ▲ Year of Build: 2018
- ▲ ABS class DP11-EHS-C (FiFi-1)
- ▲ SPS 2008 compliant
- ▲ Accommodation for 149 personnel
- ▲ Offshore 150 Tonne knuckle boom & 50 Tonne telescopic cranes
- ▲ 800 m<sup>2</sup> clear deck space (deck loading of 10T/m<sup>2</sup>)
- ▲ Built in ABS classed 12 man saturation diving system (including SPHL) with 3 man bell

The technical specifications presented within this document are subject to change without prior notification.

# VESSEL SPECIFICATIONS

## PRINCIPLE PARTICULARS

Year Built:	2018
Builder:	ZPMC, China
Class:	ABS +A1 (E)+AMS+DPS-II-EHS-C+DSV (Air & Sat)+UWILD+FiFi-1 "Offshore Support / Vessel"
Flag:	Panama
Call Sign:	3FHJ9
IMO Number:	9774965
GRT:	7,982 GT
NRT:	2,384 NT
(S) Dead Weight :	4,321.9 MT
Compliance:	SPS 2008

## DIMENSIONS

Length Overall:	93.6m
Breadth Moulded:	23m
Depth, Main Deck :	8.6m
Summer Draft:	6.6m

## CAPACITIES

Fuel Oil:	1,300 m <sup>3</sup>
Potable Water:	550 m <sup>3</sup>
Fresh Water Generators:	2 x 60 Tons/day
Clear Deck Area:	800 m <sup>2</sup>
Open Deck Strength:	10 Tons /m <sup>2</sup>

## MACHINERY

Main Engines:	2 x 2,500 kw Wartsila 8L26 4 x 1,600 kw Wartsila 9L20
Propulsion:	2 x 2,500kw Rolls Royce Azimuth thruster
Bow Azimuth:	1x1,500kw Rolls Royce combi thruster
Tunnel Thruster (Bow):	2 x1,000kw Rolls Royce tunnel thruster
Emergency Generator:	2 x 590 kw caterpillar C18

## PERFORMANCE

Maximum Speed:	12 knots
Endurance:	45 Days

## DYNAMIC POSITIONING

Make:	GE C-Series Duplex + C-Series Simplex (C-Simplex located in emergency DP control room)
Control Modes:	Joystick Heading ROV Follow Mode Auto Track Sail Cable Lay Mode Cable lay with Plough Mode
DP Sensors:	3 x Gyrocompasses 4 x Anemometers 4 x Motion Reference unit 1 x Sonardyne Loadstar (AHRS & AAINS)
DP References:	3 x GNSS/DGPS Recievers (DGPS/GLONASS) 1 x Optimised Sonardyne Range 2 Pro USBL 1 x Sonardyne Range 2 Pro USBL 2 x Cyscan Laser References 2 x Taut wires 1 x Radascan

## DECK MACHINERY

Anchor Windlass:	Hydraulic Driven Double Gypsies
Anchors:	2 x HHP Anchors
Capstans:	2 x Vertical Type Capstans

## DECK CRANE

Main Crane:	Mac Gregor (Knuckle Boom)
Capacity:	150 Ton @ 10m 25 Ton @ 35m
Wire length:	2,000m
2 <sup>nd</sup> Crane:	Liebherr (Telescopic)
Capacity:	50 Tons @12.5 meters 5 Tons @ 34 meters
Wire length:	500m

## LIFE SAVING APPLIANCE

In Compliance with SOLAS 1974

## ACCOMMODATION

Total Capacity:	149 person
Single Berth Cabins:	20
Double Berth Cabins:	29
Four Berth Cabins:	17
Offices:	6
Medical Room:	1, with 1 bed

## SATURATION DIVING SYSTEM

ABS Classed Saturation Diving System  
12 Man Built in Saturation Diving System  
3 Man Diving Bell  
Design Working Depth of 300MSW  
Year Built: 2018

12 Man Self-Propelled Hyperbaric Lifeboat (SPHL)

## AIR DIVING SYSTEM

Design Working Depth of 50MSW  
2 Man Diving Basket  
Year Built: 2018

## DP PLOT - WORST CASE SINGLE POINT FAILURE

