



## OFFSHORE CONSTRUCTION VESSEL

# SAID ALETHEIA

The Said Aletheia, crafted by Al Raiedah Underwater LTD, is a purpose-built multi-functional Diving Support and Subsea Construction vessel, with an ABS classification of DPS-2 + EHS-C and adherence to SPS 2008 standards. It boasts both a GE C-Series duplex DP system and a C-Series Simplex DP System in the Auxiliary DP Control Room, providing Class III control capability.

This vessel is furnished with an integrated ABS-classed 12-man saturation diving system, capable of operations down to 300 meters, and emphasizes environmental friendliness with a focus on minimizing fuel consumption through its diesel electric machinery.

Featuring a 150mT SWL knuckle boom subsea crane with full active heave compensation, the Said Aletheia offers operational capacity down to depths of 2,000 meters. It can accommodate up to 149 personnel and includes amenities such as an 800m<sup>2</sup> deck capable of handling loads of 10T/m<sup>2</sup>, along with an elevated helipad at the bow. It is ideally suited for subsea installation, inspection, construction diving, and ROV support.



## HIGHLIGHTS

- ▲ Year of Build: 2018
- ▲ ABS class DPII-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 Receivers (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
2nd 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

