

# SOUTHERN STAR

## VESSEL SPECIFICATION SHEET



### OFFSHORE DIVING SUPPORT CONSTRUCTION VESSEL DP III DSV

The Southern Star is an advanced Dive Support Vessel and builds on 10 years experience of bespoke vessel construction for the Asia Pacific Region. Unique features include Voith Schneider propulsion systems for superior maneuverability, station keeping and fuel economy. She is the first vessel in the region to have twin SPHLs and DP III capability. With a broad 1000m back deck, she is perfect for light subsea construction work and has excellent stability in tough environmental conditions.

Set up as a full service, ready to go light subsea construction vessel. All key elements to support subsea projects are fully operational and integrated as part of a working vessel including Saturation Diving Systems, Air Diving Systems, ROVs and integrated Survey Desk.

DeepOcean Group of companies are active members of various associations including IMCA. All details are presented herein in good faith and are believed to be correct at the time of publication. System specifications are subject to change without notice.

### KEY VESSEL FEATURES

- 2 X WORK CLASS ROVS
- AIR DIVING SYSTEM
- SATURATION DIVING SYSTEM
- 150T SWL AP2C1 SUBSEA CRANE
- 1 000 m<sup>2</sup> DECK AREA
- LARGE TANK CAPACITY
- ACCOMODATION FOR 120 PERSONS TOTAL
- HELIDECK
- BUILD 2017

## CLASSIFICATION

	ABS #A1 (E) Offshore Support Vessel, (DSV SAT, ROV, SPS# ACC ENVIRO, GP#DPS-3 BWT UWILD. SPS Compliant.
FLAG	Marshal Islands

## POSITIONING

DYNAMIC POSITIONING	DP Class IMO DP Equipment Class 3 (DPS-3) Kongsberg K-Pos DP-22+ DP-12 BU
REFERENCE SYSTEMS	2 x DGPS 2 x HIPAPs 2 x Light weight taut wire 3 x Gyro Compasses 3x MRU 3 x Wind sensor

## DECK EQUIPMENT

OFFSHORE CRANE	Macgregor Electrohydraulic knuckle boom type with active heave compensation (API2c) 150 T @ 11.5 m, Hook travel dist. 3000 m Whipline 25 T @ 35 m, 5t man riding function
----------------	--

## FRC AND LIFEBOATS

RESCUE/MOB BOAT	120 Man Lifeboats (each side) Australian standard, SOLAS standard
-----------------	--

## HELIDECK

	Helideck suitable for Sikorsky S92 / S61N Deck integrated FiFi System
--	--

## SATURATION DIVING SYSTEM

CLASS/DESIGN	ABS Class / IMCA Compliant
CAPACITY	15 Man
DEPTH RATING	300m
BELL	1 x 3 Man, insulated and positively buoyant
BELL LARS	PH Hydraulic
BELL MOONPOOL	3.6m x 3.6m Centre vessel with cursor system and aerated
CHAMBERS	3 x 6 Man DDCs interconnecting via 3 x TUP and Wet Pot
GAS STORAGE	19,712 m <sup>3</sup> (2.2m <sup>3</sup> per tube, 200 bar, 44 tubes)
PORTABLE GAS QUAD STORAGE	10 x 16 Cylinder gas quads

## DIMENSIONS

LENGTH (LOA)	112 m
BEAM	24 m
DRAFT	6.5 m
DEAD WEIGHT	4 500 t

## ROVS

TYPE 1	1x SMD Quasar 150 HP 2000m rate Work Class ROV
TYPE 2	1x Panther XT, 1000m rated Light Work Class ROV

## DECK CAPACITIES

FREE DECK AREA	1000m <sup>2</sup> @ 10 t/m <sup>2</sup>
----------------	--

## PROPULSION

BOW THRUSTER	1 x Bow retractable azimuth (1,999 kW) 2 x CPP Tunnel thrusters
MAIN PROPULSION	2 x 2 500 kW Voith Schneider

## AIR DIVING SYSTEMS

CLASS / DESIGN	IMCA Compliant
STATIONS	2 x Air Dive Stations + DDC
LARS	Dedicated twin LARs for each station
DIVE CONTROL	Dedicated Dive Control overlooking deck operations

## ACCOMMODATION

	120 pax 11 x suites 25 x single cabins 42 x double cabins 2 x conference rooms 4 x offices
--	---

## TANK CAPACITIES

DRILL / BALLAST WATER	4000 m <sup>3</sup>
WATER CAPACITY	900 m <sup>3</sup>
FUEL	2000 m <sup>3</sup>