



Siem Daya 1

Siem Daya 1 is a DP2 offshore subsea construction vessel designed and equipped specifically for subsea operations. She features twin WROVs, a work moonpool, a 250T AHC crane, and provides accommodation for 110 persons.

Class notation

DNV ✕ 1A1: ICE-C, SPS, SF, COMF-V(3)C(3), HELDK-SH, CRANE, E0, DYNPOS-AUTR, NAUT-AW, CLEAN DESIGN, Recyclable, DK(+), BIS

Data

Vessel Name	Siem Daya 1
Class	DNV
Flag State	Cyprus
Keel Laid	15 June 2012
Delivery	30 August 2013
Hull Number	793
Designer	VARD/STX
Builder	VARD Brattvåg
Call Sign	5BXQ3
IMO No.	9660102

Principle Particulars

Length Over All.....	120.8m
Length Between Perpendiculars.....	110.8m
Load Line Length.....	111.148 m
Moulded Breadth	22.0m
Moulded Depth to Main Deck	9.0m
Midship Draft (Min/ Design / Max)	5.0m / 5.8m / 6.6m
Work Moonpool	7.2m x 7.2m
Helideck.....	20.88m (26.1m) - 12.8t
Deadweight at Max Draft.....	5110t
Gross Tonnage.....	8594GT

Accommodation

Accommodation for.....	110 persons
Single Cabins	34
Double Cabins.....	38
Offices (Client & Ops).....	6
Meeting Rooms	2
Hospital	1
Mess / Day Rooms	2 Mess / 2 Day Rooms
Galley	1
Laundry	1
Workshop	1 Engine, 1 Dirty, 2 Clean, 1 Electrical, 1 ROV
Gymnasium	1
Water Maker 1	Reverse Osmosis 25 m ³ /day
Water Maker 2	Evaporator 20 m ³ /day
Dry Store	14m ²
Dry Provisions	37m ² @ 12°C
Refrigerated Provisions	28m ² @ 4°C
Freezer	48m ² @ -25°C
Air Conditioning	Chilled Water / Fan Coil

Dynamic Positioning

Maker	Kongsberg
Type	DP2
Reference 1	DGPS 132/ Seapath 330
Reference 2	DGPS 232/ Seapath 330
Reference 3	2 x Mk 15B Taut Wire
Reference 4	Radius 1000
Reference 5	2 x HiPAP 501 (c/w Responder Driver Units)
Reference 6	CyScan Mk4 Laser

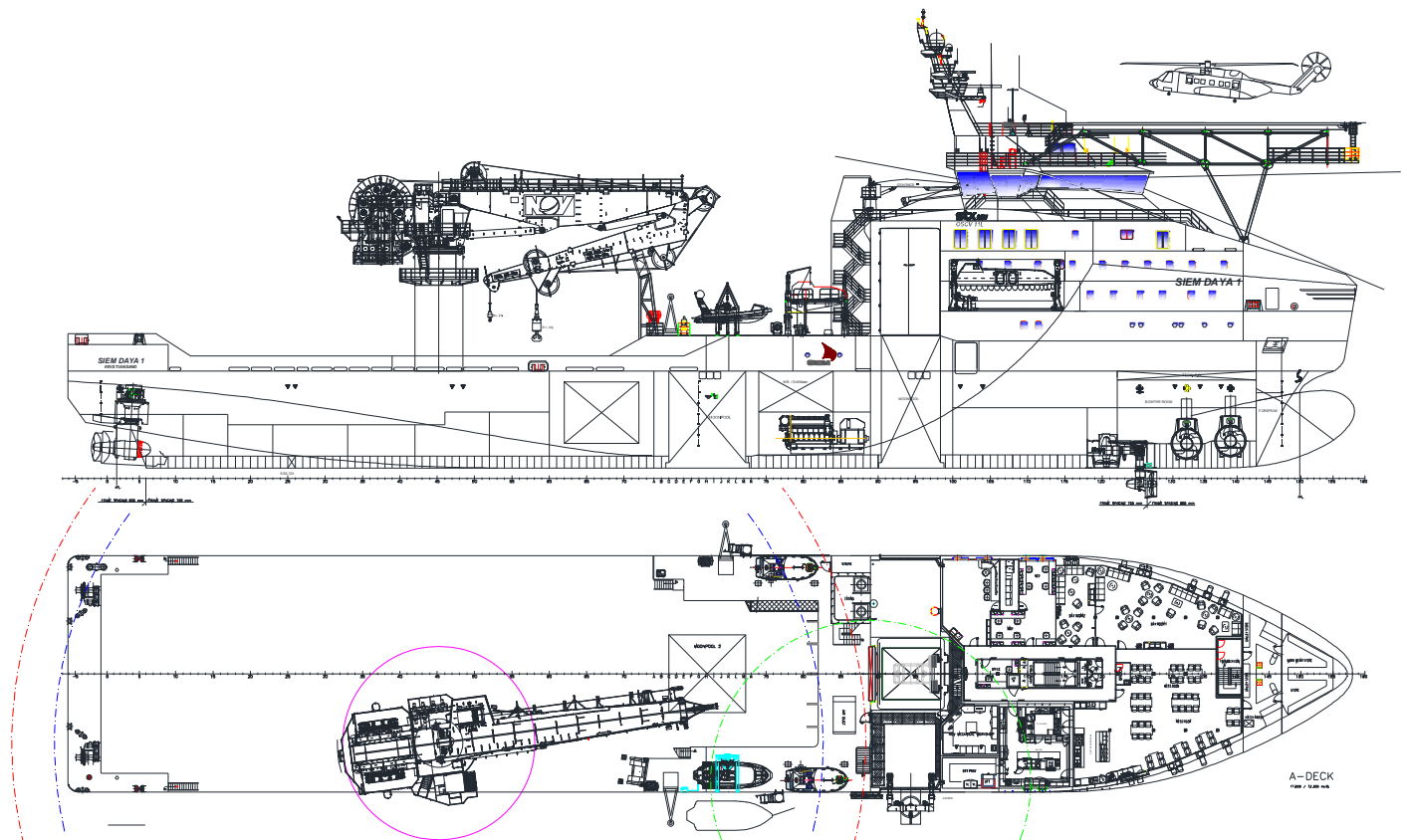
Capacities

Service Air 15 outlets. 36m³/hr @ 8bar
 Deck Area..... 1300m² @ 10t/m²
 Seafastening Tee Bars2m Grid ~ 10t point load uplift.
 Deck Cargo2100t @ 1m above main deck
 Tween Deck Stowage 190m² @ 5t/m²
 Fuel Oil (Capacity / Transfer) 1397m³ - 16m³/ hr @ 2bar
 Drill/Ballast Water (Cap / Supply) .. 5294m³ - 45m³/hr @ 3bar
 MEG Capacity (Cap / Trans) 2 x 150m³ - 75m³/hr @ 3bar
 Fresh Water (Capacity / Supply) 660m³ - 8m³/hr @ 6bar
 Roll Reduction Tanks 2 pairs 1500 m³/hr
 Deck Power 440V.. 3 x 1283A, 2 x 630A, 2 x 260A, 2 x 160A
 Deck Power 220V..... 2 x123A
 Utility Stations..... 1 Crane Pedestal / 1 Port Aft Rope Store

Propulsion

Stern Thrusters.....2 x RR Contaz 25, 3000kW FP Azimuth
 Bow Thrusters2 x RR TT2650 DPN CP, 1900kW Tunnel
 Bow Thruster Retractable.... 1 x RR TCNS, 1500kW Azimuth
 Main Propulsion..... 4 x 2800kW Wärtsilä W6L32 D ~ 690V
 Harbour Generator 1 x 750kW ~ 690V
 Emergency Generator 1 x 185kW ~ 690V
 Maximum Speed 15knots
 Cruise / Service Speed..... 10knots
 Fuel Consumption (Cruise/DP – Port) 10t/day – 3t/day

General Arrangement



- All vessel specifications contained herein are for information purposes only -

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Deck Equipment

Offshore CraneNOV Knuckle Boom
 Harbour Capacity..... DAF 1.3 250t @ 16m ~ 80t @ 36m
 Subsea Capacity DAF 1.3 250t @ 14m ~ 70t @ 36m
 Main Winch..... 250t 3000m AHC
 Auxiliary Winch20t 3000m AHC (1t Man-Riding) @ 40m
 ROV Hangar Crane 4.3t @ 4.7m ~1t @ 16m Telescopic
 Deck Provision Crane.....3t @ 15m (1.5t MR) Knuckle Boom
 Mooring Winches Aft 2 x 10t
 Capstans Fwd..... 2 x 10t
 ROV 1.....200hp Schilling UHD 30 (Moonpool) 3000m AHC
 ROV 2...200hp Schilling UHD 31 (Stbd Hangar) 3000m AHC

Safety Equipment

Fast Rescue Craft..... 22ft Diesel Driven, Jet Propelled
 Rigid Lifeboats..... 100% Capacity Each Side

Communications

VSAT 2 x 2.4m ant. (max 2048kbps ↑/ 4096kbps ↓)
 External Phone Lines 16 Digital
 Telephone in all cabins Yes
 ice.netx2
 3G.....x2
 Video Connection in all Cabins..... Yes
 Clearcoms (Internal)..... Yes
 CCTV..... Yes