



OVERVIEW

UltraDeep solutions onshore and offshore expert teams provide top class quality offshore - related services / knowledge with excellent high standards to our client.

Our established network of offshore vessels and personnel are ready to be mobilized when and where your project needs them.

We pride ourselves on our excellent client service and rapid response times.

Our experienced teams are available to support your worldwide operations.

WHY US

Highly experienced team which has more than 37 years of industry experience.

Team members played a vital role in major worldwide project completions for Hyundai, Shell, Exxon, British Petroleum, ONGC, Reliance, Total, Petro Canada, Stena and Collexip, amongst many others.

Business philosophy provides most profitable and efficient solutions to clients.

One stop solutions from vessels design, consultancy, chartering, supervising to various subsea support services including new offshore installations, construction and Inspection Remedial Maintenance (IRM).

Vast global networks of vessels and offshore personnel that can deliver the projects worldwide.

SHIP BUILDING

We design and build "STATE-OF-THE-ART" "ULTRADEEP HIGH TECH ADVANCED VESSELS" which will be one of the largest and most advanced DP3 vessels in the offshore industry. Our vessels are designed and built for the worldwide market, including Asia Pacific, African, South American and the Gulf of Mexico markets.

SHIP CHARTERING

We have enormous resources of Diving Support Vessels ready for charter with or without provision of subsea support services.

SHIP BUILDING CONSULTANCY

Services include :

1. Shipyard evaluation and selection
2. Technical specifications and contracts assistance.
3. Ship design and equipment review
4. Integration of Saturation System
5. Site supervision and engineering
6. Commissioning and trials

SUBSEA SUPPORT SERVICES

UDS provides a full range of subsea services including activities supporting new offshore Installation and Construction, as well as IRM (Inspection Remedial Maintenance) of existing offshore production and pipeline facilities. All subsea works are performed using shallow Air and Deep Saturation Diving techniques aided by Remote Operated Vehicles (ROVs). Certain projects in deeper waters could be engineered for ROV intervention alone.

Services include:

- Subsea project evaluation and solutions
- Subsea project engineering and procurement
- Subsea project supervision and inspection
- Subsea installation , construction
- Subsea repair & maintenance
- Offshore hyperbaric welding



SHELDON HUTTON
CEO - ULTRADEEP SOLUTIONS

Sheldon Hutton founded Ultra Deep Solutions Ltd in June 2014. Mr. Hutton has more than 35 years of industry experience. He has been diving since year 1979 and was promoted to Offshore Construction Superintendent at year 1996. Mr. Hutton was one of the youngest OCS in the world. His experience in the offshore industry spans both in Upstream and Downstream positions, including companies like Technip, Collexip, Stena, Global Industries and Oceaneering.

Mr. Hutton was one of the pioneers of Kreuz Subsea and developed Kreuz from its infancy in July 2008 into a multi-million dollar company. (Kreuz was established in July 2008 as a provider of integrated offshore subsea services to the oil & gas industry. Kreuz was listed on the Catalyst Board of the Singapore Exchange Securities Trading Limited ("SGX-ST") in July 2010 and successfully transferred to the Main Board of the SGX-ST in October 2012. In March 2014, Kreuz was acquired by Headland Private Equity Fund for \$3445.6m). He owned **10% of company shares before publication and was diluted to 5.8%.**

Mr. Hutton was the Vice President - Offshore Installation with Kreuz Holdings. In this role, he was responsible for external tenders, offshore project execution, client relations management, vessel construction management. In line with the direction of the company, he was also involved in the company's strategic planning in the offshore industry. Mr. Hutton played a vital role in major worldwide project completions for Hyundai, Shell, Exxon, British Petroleum, ONGC, Reliance, Total, Petro Canada, PTT, amongst many others. Through these successful projects and collaborations with oil majors, he is widely recognized in the offshore.

SCOTT HUTTON
VP INSTALLATIONS

Scott Hutton is an Offshore Construction Superintendent and has 35 years of experience in the industry. He has been working as Offshore Construction Superintendent with Kreuz Subsea Pte Ltd for over 5 years.

Mr. Hutton is instrumental in developing and pioneering methods for providing cost effective and successful completions of various kinds of subsea construction and installation works, enabling oil companies and producers to get online faster and safely. With his vast experience and knowledge in hyperbaric Welding, Flex lay, FPSO installation, Hot Tap procedures and day to day offshore construction experience, Scott Hutton will play a vital role in constant development of innovative procedures for UltraDeep Solutions. His experience in the offshore industry spans both in upstream and Downstream positions, including companies like Technip, Global Industries and Kreuz.



JITHU SUKUMARAN NAIR
GENERAL MANAGER - SHIP BUILDING & DESIGN

Jithu Sukumaran Nair is a Marine Engineer with more than 9 years of experience in the Merchant vessels, Offshore Subsea and DP3 shipbuilding Industry. Prior to joining Ultra Deep, Mr. Jithu was the Project Manager for Kreuz Subsea, Singapore for their new build DP2 DSCV and involved in other major shipbuilding and DP conversion projects with Technip, Harkand etc.

Mr. Nair has an Honors in Mechanical Engineering, specialized in Marine Engineering, Naval Architecture and Shipbuilding. He is a Graduate Lifetime member of the Institute of Marine Engineer's India and a researcher in the offshore industry. He also holds various certifications related to offshore and shipbuilding industry. His vast knowledge and various certifications in the offshore and shipbuilding Industry will be an asset to Ultra Deep. Mr. Nair will be responsible for UDS new builds, chartering and marketing of the vessels.

JOEY TEO
GENERAL MANAGER

Joey Teo founded UltraDeep Solutions with Mr. Sheldon Hutton in June 2014. Ms. Joey has an Honours Degree in Management - Marketing. Ms. Joey has vast experience in Multinational Company including Kreuz Holdings, Unicredit Bank and CHEP. She was one of the pioneers of Kreuz Holdings and development Kreuz from its infancy in October 2008 into a multi-million dollar company. Joey Teo will be in charge overall management of the company.





Provision of Turnkey Subsea Solutions from Dive Support Vessels (DSV)

Armed with an experienced hands on team of professional, UDS offers customers innovations Subsea solutions on Turnkey basis. Equipped with new dive systems and offshore vessels, UDS guarantees the customers a final finished product utilizing its own resources and project management team.



Subsea Dive Support Consultations

37 years of experience in the industry provides consultations & solutions for all subsea dive support activities
Diving project evaluation and solutions
Diving project engineering and procurement
Offshore project supervision and inspection



Underwater Inspection , Repair and Maintenance (IRM) Services

Steel + concrete structures & pipelines are inspected for damages, corrosion, stress defects and design residual fabrication flaws by visual & non destructive testing (NDT) techniques.
Damage , flaws & defects are reported & logged remedial action follows. Maintenance is an on going process in the life of an offshore oil field & includes activities such as marine growth removal, seabed corrections, pipeline stabilization & similar.

Subsea Diving and ROV Services

Services provided includes:

- Spool tie-ins
- Risers, spool & riser installations.
- Pipeline & stinger inspections.
- Pipeline crossing corrections.
- ROV inspections, Maintenance and Survey.



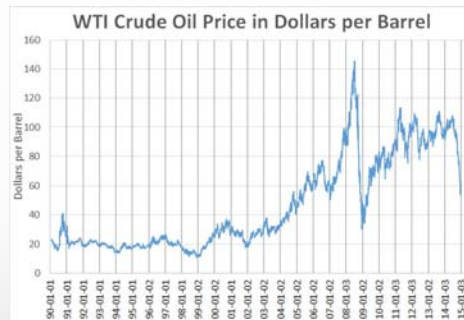


LIST OF DNV CLASS DIVING VESSELS

Vessel Name	Vessel Class Notation	Vessel Build Date
SEVEN OSPREY	SF DSV-III DYNPOS-AUTRO	14-Mar-84
BIBBY POLARIS	SF HELDK DSV-III ED DYNPOS-AUTRO DK(+)	7-May-99
KDEMIR TOPRAK SMAYLI	SF DSV-I and III ECO DYNPOS-AUTR	15-Sep-89
BALMORAL 16/21	Column-stabilised Drilling Unit Oil Production Unit SF HELDK CRANE F-AM POSMOOR	1-Aug-86
SEA FALCON	ICE-1C Supply Vessel SF HELDK DSV-III DYNPOS-AUTR	1-Jun-75
BAR PROTECTOR (DSV)	DSV-III	1-Jan-81
OCEANIC INSTALLER	HELDK DSV-III ED DYNPOS-AUTR	26-Mar-84
KREUZ INSTALLER	SF HELDK DSV-III ED DYNPOS-AUTR	19-Jun-81
SEVEN PELICAN	SF HELDK DSV-I and III ED F-AMC DYNPOS-AUTRO	27-Dec-85
ALTUS OPTIMUS	Fire Fighter II SF HELDK DSV-III ED DYNPOS-AUTR	11-Jan-85
ALLIANCE	SF HELDK DSV-III ED DYNPOS-AUTR	9-Mar-84
SEVEN EAGLE	SF DSV-III ED DYNPOS-AUTR	1-Apr-97
SEAWELL	ICE-1B Supply Vessel SF HELDK CRANE DSV-I and III ED DYNPOS-AUTR-(A)	1-Mar-87
SAMUDRA SEVAK	Supply Vessel Fire Fighter I and II SF HELDK CRANE DSV-III ED DYNPOS-AUTR	30-Sep-88
P.M.S. MAYO	ICE-C Supply Vessel SF HELDK DSV-III ED DYNPOS-AUTR	17-Jun-87
MERMAID COMMANDER	ICE-C Supply Vessel SF HELDK DSV-III ED DYNPOS-AUTR	1-Dec-87
UNCLE JOHN	Column-stabilised Offshore Support Unit SF HELDK CRANE DSV-III ED F-A	15-Jun-77
WELLSERVICER	Supply Vessel SF HELDK CRANE DSV-III ED DYNPOS-AUTRO	28-Apr-89
SKANDI PATAGONIA	Fire Fighter I SF HELDK DSV-III ED DYNPOS-AUTR DK(+)-HL2(B)	19-Oct-00
BIBBY TOPAZ	SF COMF-VI(C2) HELDK-SH DSV-SURFACE and SAT ED DYNPOS-AUTR CLEAN	2-Nov-07
WYATT CANDIES	DSV-SAT DPS2	28-Feb-13
SEVEN DISCOVERY	ICE-1C HELDK-SH DSV-SAT ED DPS2	17-Nov-90
ALTUS EXERTUS	ICE-C HELDK DSV-SURFACE and SAT ED DYNPOS-AUTR	15-Apr-81
SKANDI ECHIVER	ICE-C COMF-VI(2) HELDK DSV-SAT ED DYNPOS-AUTR-(A) NAUT-AW CLEAN DESIGN DK(+)	11-Aug-07
SEVEN FALCON	SF COMF-VI(3) HELDK-SH DSV-SURFACE and SAT ED DYNPOS-AUTRO NAUT-AW CLEAN DESIGN	23-Feb-11
WELL ENHANCER	Well Intervention Unit SF COMF-CI(3) HELDK-SH CRANE DSV-SAT ED DYNPOS-AUTRO DK(+)	25-Aug-09
SHADDAH	SPS Fire Fighter I COMF-VI(2)(C2) CRANE DSV-SAT ED DYNPOS-AUTR DK(+)-COAT-PPSC BIS	28-Feb-14
MERMAID ENDURER	COMF-VI(C2) HELDK-SH DSV-SURFACE and SAT ED DYNPOS-AUTR NAUT-OSV(A) CLEAN DESIGN	27-May-10
ORMAND COMMANDER	ICE-C SF COMF-VI(3) HELDK-S DSV-SAT ED DYNPOS-AUTR CLEAN DK(+)-HL2(S)	2-Jun-06
TOISA PERSEUS	SF HELDK DSV-SAT ED DYNPOS-AUTRO DK(+)	8-Sep-98
TOISA PEGASUS	SF HELDK DSV-SAT ED DYNPOS-AUTRO DK(+)	21-Apr-09
TOISA PALADIN	ICE-C SF COMF-VI(2) HELDK-S DSV-SAT ED DYNPOS-AUTR CLEAN DK(+)	13-Mar-08
HARKAND ATLANTIS	SF COMF-VI(3) HELDK-SH CRANE DSV-SURFACE and SAT ED DYNPOS-AUTR CLEAN DK(+)	3-Mar-11
HARKAND DA VINCI	SF COMF-VI(3) HELDK-SH CRANE DSV-SURFACE and SAT ED DYNPOS-AUTR CLEAN DK(+)	28-Sep-11
SBM INSTALLER	HELDK-SH CRANE DSV-SURFACE and SAT ED DYNPOS-AUTRO NAUT-OSV(A) CLEAN DESIGN BWN	27-Sep-13
THEBAUD SEA	Supply Vessel SF HELDK-S DSV-SAT ED DYNPOS-AUTR DK(+)	30-Sep-89
SKANDI SINGAPORE	ICE-C COMF-VI(3) HELDK DSV-SURFACE and SAT ED DYNPOS-AUTR NAUT-AW CLEAN DESIGN DK(+)	6-Sep-11

Newbuild SUBSEA VESSELS Worldwide

Type	2015	2016	2017	2018	Total
CLV	1	2	1	0	4
CON	6	11	5	0	22
DSV	3	7	5	1	16
Heavylift/Pipeline	4	0	5	1	10
LAYSV	2	7	2	0	11
LCV	5	2	4	0	11
MPSV	7	7	3	0	17
MSV	11	2	0	0	13
ROV	0	0	0	0	0
Total	39	38	25	2	104



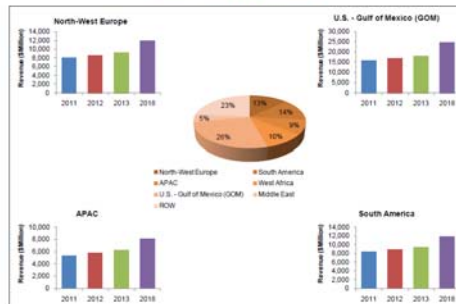
**U.S. - (GOM): OSV MARKET REVENUE (\$MILLION)
& VESSEL COUNT (DEMAND), 2011 - 2018**

Particular	2011	2012	2013-e	2018-p	CAGR% (2013-2018)
Revenue	15,980.6	17,002.8	17,974.9	24,663.2	6.5
Vessel Count	571	578	604	868	7.5

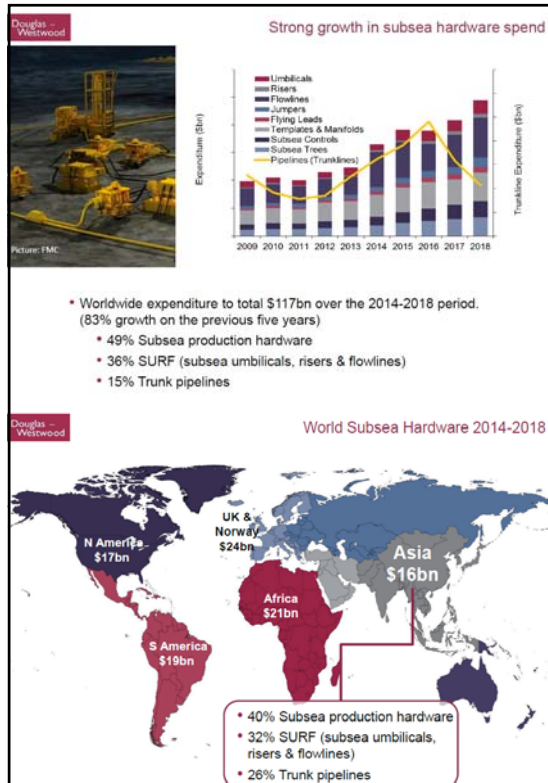
e- Estimated, p - Projected
Source: MarketsandMarkets Analysis

The market revenue of offshore support vessels in U.S. - (GOM) is estimated to grow at a CAGR of 6.5% to \$24,663.2 million by 2018. In terms of volume, offshore support vessel market is estimated to reach 868 by 2018, at the CAGR of 7.5% for the same period.

**OSV: MARKET REVENUE, BY GEOGRAPHY,
2011 – 2018 (\$MILLION)**



Source: Expert Interviews, MarketsandMarkets Analysis



"THE RED CLASS "
DP3 DPSV " ULTRADEEP INSTALLER"

Type: MT6027 DSCV (2382-01)
Yard: CHINA MERCHANTS HEAVY INDUSTRY (SHENZHEN) CO., LTD.
Delivery: TBN
Owner: ULTRA DEEP BV



The vessel is a DP-3 Multipurpose Diving Support Vessel / SPS Code 2008, with an 24 men twin bell saturation system for depth down to 300 meter. The vessel is equipped with diesel electric frequency controlled propulsion, highly efficient azimuth thrusters, dynamic positioning system, offshore cranes and a large platform deck for construction duties. MT6027 is an optimized hull design with excellent characteristics for deployment worldwide.



The vessel is designed according to the class notation "Clean Design" and SP5 Code and high focus is given to low fuel consumption, which reduces emission to the environment. FC tank arrangement according to "Clean Design" and MARPOL - oil fuel tank protection.

The vessel is designed to fulfill following duties:
Diving operations with a 24 men SAT dive system rated at 300 msw, ROV and seabed construction work.

The vessel is a DP 3 Multipurpose Diving Support Vessel available for deployment worldwide.

DIMENSIONS & CAPACITIES:

Length (m):

Length o.s.	142.90 m
Length i.p.p.	132.40 m
Beam max	27.90 m
Depth main deck	11.00 m
Depth shelter deck	14.30 m
Max draft (w)	8.00 m
Work deck area (total)	~2130 m ²
Capt. deck	650 m ² @ 20m ²
Main deck	~1500 m ² @ 70m ²
	removable bulkheads each side
Fresh water:	~1780 m ³
Fuel oil	~3000 m ³
Water ballast	~9000 m ³
Oil Heating	1400 m ³
Lubricating oil	75 m ³
Misc tanks (6)	~140000 m ³
Grain storage	~3700 m ³
Net tonnage	~3700
Deadweight approx:	~8000 t
incl. Cranes, ROV & LARS dec. equipment and Sat	
Displacement (equipment)	

DIVUL = 1A1, ED, SP5, DSV-SAT, Diving
System-SAT, NAUT OSMAI, CLEAN DESIGN,
DYNPOS-AUTROL, COMF-423-VOL, ICE C, CRANE,
LIFTING, LIFTING, LIFTING, LIFTING, LIFTING,

Max. generators	Wiatła 41,32 6 x 3230 kW = 19380 kW
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Main generators:	Wartsila 4L32 6 x 3230 kW = 19380 kW
Emergency diesel gen. (main)	1x 1230 kW
Emergency ship gen.	1x 450 kW
Bow tunnel thruster	2x 1925 kW
AR tunnel thruster	2x 1170 kW
Bow azimuth thruster (retactable)	2x 1500 kW
Stern azimuth thruster 56°PS	2x 3250 kW

Main character: *See* *Chen, Y. and H. 2003* and *Chen, Y. and H. 2004*.

1x 400 W 25.5 m radius (Submersible), Fully equipped APC Offshore Mast crane (offshore 100'), dual fall with wire capacity for 30000 lifting height, single fall down to 5200 m water depth, arranged with personal lifting and remote diagnostics across Auxiliary Crane
1x 40 t 6.15 m radius (Submersible) APC, Articulate boom crane, with wire capacity for 400 m lifting height, ar with personal lifting and remote access
Deck cranes: 2x 56 W15 m-radius
Tugger winches: 4x 15 t

Max speed approx:

Normal transit speed approx:	11-12 knots
Fuel autonomy:	approx. 90 days duration
Diving gas autonomy:	approx. 60 days duration

Speed 1.2 km/h
Resistance 2.5 kg

Even hours: 11 EA	-18 video
Off operations:	-7 video
Post	-1 video

Total no. of persons:
641 447 and 213 516

Men's room: 1 men cabin: 80
2 men cabins: 50
Men room: 84 seating capacity

Teen deck: Dive equipment store, store a1, toilet, switchboard rooms

Main deck: Two or dive spread, diver suit dry, divers laundry, coffee shop, pantry, toilet a3, medicine, locker room, female medicine, coffee shop, hospital, ward, store laundry, laundry dry clothes, engine control room, gymnasium, linen, toilet a1, medic rest room, garbage store

room 12, provision; dry, cool, few
slices, baker's, others, not

Personnel: 10 in room, 3 of dayroom, internet cafe, store #2, toilet #7 reception, bathroom, bonded store.

Forecasters: instrument room, cabins, command, conference room.

Boat: Office #7, locker #2, loan, loan, cabins, service/office, R/V Control Room, Dive section: Office #8, store #2, office connect/office #4.

Captain: Cabin/stores office, toilet #4, loan store #2, laundry/bathroom, cabin, bath, room.

Bridge deck: Ship Office, Main Conference room, Lounge #3, Tech Library, ICT/Server room, toilet #3, office #2, office #5, Office, DF2 Emergency Control Station, AC room.

Wheelhouse: Manoeuvring console Fairbairn, Radio station, Survey area, Office, Toilet, Top of wheelhouse deck, Reception/TV room Toilet, Store/bathroom, store #2, Helicopter.

Engine work stops, deck ventilation stops, coast down, NOVA work stops.

incinerator room, compactor, food waste machine, cargo hold (w/ hydraulic operated food lowering deck hatch) & lock, deck store.

Mammals present:

24. Single point for New York (NY) close system, with damping factor

Drive system: 24 in.
See depth down to
14 in. (100 ft) in

Hyperbolic, the locale 2x 24 room, two Air-duct system.

Load capacity:

to comply with Class HELIK.SM, BMO regulations and UK Civil Aviation Authorities CAP 437, at least 1.2m/s.

Two (2) of WRDQ
side post, noted to

Remote Diagnostic system

DYNAMIC POSITIONING SYSTEM:
DP(AA)-Class B; DNV AUTRO, Kongsberg
K8Master, with reference system: 2x DGPS, 2x
HIFOP, 2x fast wind-tan (sonar) interface.

gpm, current meter & pinhole + red

CONTROL AND AUTOMATION SYSTEM:
KICREF 700 with K825 with Remote Diagnostic

OMOSS A-1 radio station, Helinet transmitters, space equipment, VHF & UHF, closed circuit.

callation, navigation/video screen, intercom/Tel/FM systems, SPE, Loudspeaker system, CCTV system, VSAT C band, internet, Sailor 77 Fleet Broadband

LIFE SAVING APPLIANCES:

Don't launch it yet:	2 of 70 persons
Life boat acc. the SPS rule requirements:	
Life raft:	According to rules
According to rules:	1 of 74 persons

with a OFF (over) hydraulic pressure.

project based desk equipment, electrical power take off, plug & play communication, seamless coding for R/O's and other project desk equipment in ring main system, protected by business loan etc.

// TECHNICAL SPECIFICATION

DP CONTROL AND NAVIGATION EQUIPMENT:

DP System: Kongsberg K-Motion
 Kongsberg integrated position fix
 Kongsberg dynamic pos. system (Dynamic all/DP, Dynamic)
 Positioning Syst. Dred 4078/802, Class II Position reference
 systems: DP110, DP1212, base reference system, two hydro
 acoustic reference units (HARP) mounted in steel tanks
 with remote operated gate valves

Kongsberg IAS
 Reber System, Satellite Navigation, Chart System, Contour
 Control System, Autopilot, Echo Sounder (Speed log, Sur
 log AIS, VDR, for the Environment, TV Monitor, Redundant
 backup, monitoring syst. Acc. to rules and high class standard
 requirements

Navigation equipment according to NAVT OIV Radio
 installation acc. to GMDSS - class A3 Loran C, Flare 77
 Two V-Sat communication systems (Global Communication
 SYSTEM COM) (communication of automatic telephone,
 data network and satellite TV system signal to all offices and
 cabins)
 Battery/line telephone system, separate PA, DECT TV satellite
 system

LOADING COMPUTER:
 Merit, Teknic

DIVE SYSTEM:
 Dive system: 100 man
 single full saturation system, for depth down to 100 m
 Chatterbox 100 man
 Air dive system 100 man
 An independent Decompression and Recovery System. Design
 offshore use state 1.5 m/s or less, wave height to be clarified with
 other supplier

CONSUMPTION:
 Econ. Diesel 12.840 m³/day
 Econ. Waste 10.840 m³/day
 DP operations 10.840 m³/day
 Fuel 10.840 m³/day
 Consumption at 20-4 km




"ANDY WARHOL"
 DIVING SUPPORT AND CONSTRUCTION VESSEL

Type: MT6023 DSCV (2386-01)
 Yard: TBA
 Delivery: TBA
 Owner: TBA

The vessel is a Diving Support & Construction Vessel, designed to meet the general offshore market, with diesel electric frequency controlled propulsion, highly efficient azimuth thrusters and a system for dynamic positioning.





001 116023

// Diving Support & Construction Vessel

The vessel is designed according to the class notation "Clean Design" and SP5 Code and high focus is given to low fuel consumption, which reduces emission to the environment. FO tank arrangement according to "Clean Design" and MARPOL - oil fuel tank protection. The vessel to be arranged with a 18 men (single) bell dive saturation System.

In addition to diving, and construction work the vessel is arranged with 1 WROV's and 1 Osa ROV with LARS in the hangar. The vessel can also perform normal field support duties.

// TECHNICAL SPECIFICATION

MAIN DIMENSIONS:

Length o.a.	102.15 m
Length b.p.p.	95.25 m
Breadth m.s.	27.30 m
Depth Main deck	10.80 m
Depth Shelter deck	12.80 m
Max draft existing (DWA)	7.80 m
Corresponding Freeboard	3.00 m

CLASS / AUTHORITIES:

DRYDOCK + 141 SP5 E5 Drogas A079 (DK+) - HELIX 1st FIVE PLANTER + 460 - COMF 100 - CLEAN DESIGN - DIV CAT - DIV SURFACE - CLASS - ICE C - NAUT COGAS - B08AT - P040 (NANNAE).

SPEED:

Speed at pH4 m/s 12 knots

The vessel system is designed for service with the following environmental conditions:

Ambient air temperature between minus 20 °C to +40 °C, and sea temperature up to 32 °C.

TONNAGE:

Gross Tonnage (GRT) 43000

Net Tonnage (NRT) 27000

ACCOMMODATION:

Accommodation for 110 persons.

20 x 1 man cabins, 40 x 2 man cabins

Stores Deck: Fuel Control Room, Dive System Distribution room, oil, CO2 room, Dive party, Dive suit dry, Dive suit wash, Washboard room, Washboard room, Toilet x2

Main Decks: Locker room, Workshop, Toilet x4, Linen, Laundry Tech, Library, Information, Tech, Workshop, Dive Tech, Store, Toilet, office, Project office, Chief office, Air flow room, Dive control room, Air flow store, Dive Store/Workshop, ROV Workshop, ROV Tech room, Dive Storage Area, Paint area, Flipping area, Deck washing

Shelter Decks: Reception, Dry processing x3, Card, Press, Gallery, Battery, Scuba, Main room, Dynamic Dry room smokers, Waste truck, Brown closet, Toilet x3

Forecastle Deck: Chief and Crew cabins, Laundry Linen, Instrument room, ROV Control room

Beet Deck: Chief and Crew cabins, Instrument room, Dive, Laundry Linen, Toilet, Brown closet, Hospital, Ward, Operation

Capt Deck: Chief and Officer cabins, Instrument room, CO2, Brown closet, Laundry Linen, Ship's office, Storage, Conference room

Bridge Deck: Bridge/Navigation controls, Bow/Lift, Survey area in Lunge wings, Office area in forward bow, Radio station, Toilet, Kitchen, Laundry

Top of wheelhouse: Sky lounge, Sky lobby, Reception/TV room, Mail Station, Battery room, Store, Toilet

ROV HANGAR:

1 WROV LARS over 50 m side

1 Osa ROV LARS over 5 m side

MOON POOL:

7 x 4 moon pool for dive bell 3.9 m x 3.9 m

CARGO CAPACITIES:

Dryweight at max d 4000 T

CARGO TANK CAPACITIES:

Fuel Oil 1150 m³

Fresh Water approx - 1000 m³

Water Ballast approx - 1000 m³

Anti Heaving approx - 1000 m³

Lubricating Oil approx - 150 m³

Max tanks (ink, tank) approx - 190 m³

Portable water approx - 40 m³

Oil recovery storage tank approx - 200 m³

WORKING DECK AREA:

Main work deck (left of hangar) 400 m²

Cargo deck max width 23 m

M deck level (Bore-A-E) 50 m²

M deck level (A-E) 50 m²

Removable deck, according to GA 5 m²

MAIN ENGINES / GENERATORS:

4 MAN 7J240 each 3300 kW

Total 13200 kW

EMERGENCY GEN. SET DIVE:

1 of CAT 3512 1300 kW at 1800 rpm

HARBOR/EMERGENCY GEN. SET SHIP:

1 of CAT 3512 1300 kW at 1800 rpm

DISTILLED AND MAKE-UP WATER SYSTEMS:

2 of FPA reverse osmosis plant, capacity approx. 20 m³/h to be arranged.

2 of CO2 separator for each main generator set.

2 of CO2 separator

PROPELLERS:

2 of axial PP each 2500 kW, frequency controlled.

THRUSTERS FORE:

2 of axial thrusters PP 1800 kW, oil driven.

1 of retractable thruster PP 1200 kW, oil driven.

Thrusters are frequency controlled.

ELECTRICAL MAIN SWITCHBOARDS:

Naval (Eaton) / Generator ABB.

The three electrical power is generated by the main generator sets. The power levels are divided into 4 different voltage ranges: 400 V 50 Hz, 690 V 40 Hz, 400 V 40 Hz, 230 V 50 Hz and 230 VDC.

DECK EQUIPMENT/CRANES:

Integrated Automation System (IAS). The system consists of the following functionality and sub systems:

Alarm and Monitoring System.

Power Management System (PMS) interface.

Weld/Mixing:

2 of Borema or similar, max 15 t

2 of Capacitance welding unit 15 t

Dive system:

1 of main AISC offshore crane

100 ton 40 ft in store use, for AISC cranes 3000 m, air with para. lifting remote access

1 of AISC crane 10 t

1 of crane telescopic boom 20 t

OPTION 1 of crane 10 t

2 of table crane 2 t

ROLL REDUCTION SYSTEM:

A passive roll system

1 of roll reduction tank

LIFE SAVING EQUIPMENT:

Survival suits for 120 men

Safety Equipment 120 men

2 of Life Buoy 2 x 40 pieces

1 of Rescue Mob Boat 1 (Abandon Ship)

1 of Pigeonhole Life Boat 1 x 14 pieces

OPTION 1 of Life Boat 1 x 14 pieces

OPTION 1 of Life Boat 1 x 14 pieces

FIRE DETECTION SYSTEM:

Fixed alarm detection for detection control for all compartments and cabins

ANTI HEEL SYSTEM:

Auto 2 x 1000 m³/h, 10 m³

Auto 1000 m³

HELICOPTER DECK:

Helicopter deck of dimensions for Sikorsky SH-60, to ICAO class standard, ICAO regulation and UK Aviation Authority UK A17 regulation. Sky lobby designed for first group passengers.

FLOW METERS:

Flow meter for fuel oil with probe

CAUTION: COMPUTER

Main Tanks MT Ship/Land

DIVE SYSTEM (TRA):

Dive system 18 men

single bell saturation system, for depth down to 600 m

Chamber 18A

Air flow system 18A

2 x independent Launch and Recovery Systems.

Design criteria are 15 m in sight, wave height (to be clarified with dive supplier).

// TECHNICAL SPECIFICATION

DP CONTROL AND NAVIGATION EQUIPMENT:

DP System, Kongsberg 4 Master

Autopilot independent system

Kongsberg dynamic positioning system (DPS)

Dynamic Positioning Unit, DP1/2, DP2/2, DP3/2, DP4/2, DP5/2, DP6/2, DP7/2, DP8/2, DP9/2, DP10/2, DP11/2, DP12/2, DP13/2, DP14/2, DP15/2, DP16/2, DP17/2, DP18/2, DP19/2, DP20/2, DP21/2, DP22/2, DP23/2, DP24/2, DP25/2, DP26/2, DP27/2, DP28/2, DP29/2, DP30/2, DP31/2, DP32/2, DP33/2, DP34/2, DP35/2, DP36/2, DP37/2, DP38/2, DP39/2, DP40/2, DP41/2, DP42/2, DP43/2, DP44/2, DP45/2, DP46/2, DP47/2, DP48/2, DP49/2, DP50/2, DP51/2, DP52/2, DP53/2, DP54/2, DP55/2, DP56/2, DP57/2, DP58/2, DP59/2, DP60/2, DP61/2, DP62/2, DP63/2, DP64/2, DP65/2, DP66/2, DP67/2, DP68/2, DP69/2, DP70/2, DP71/2, DP72/2, DP73/2, DP74/2, DP75/2, DP76/2, DP77/2, DP78/2, DP79/2, DP80/2, DP81/2, DP82/2, DP83/2, DP84/2, DP85/2, DP86/2, DP87/2, DP88/2, DP89/2, DP90/2, DP91/2, DP92/2, DP93/2, DP94/2, DP95/2, DP96/2, DP97/2, DP98/2, DP99/2, DP100/2, DP101/2, DP102/2, DP103/2, DP104/2, DP105/2, DP106/2, DP107/2, DP108/2, DP109/2, DP110/2, DP111/2, DP112/2, DP113/2, DP114/2, DP115/2, DP116/2, DP117/2, DP118/2, DP119/2, DP120/2, 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UPCOMING NEW BUILDS

DP3 DIVING / WELL INTERVENTION / HEAVY CONSTRUCTION VESSEL



Length:	160m
Breadth:	32m
Depth:	6.5m
Accommodation:	150

400T AHC fully electric mast crane from HUISMAN

100T AHC knuckle boom crane

Powerplant: 23MW

Diving System
 The 24-man saturation diving system includes 2x6-man single lock living decompression chambers, 2x4-man single lock decompression chambers and two horizontal transfer under pressure chambers. 30,000m³ of gas storage and up to six split levels of saturation storage. Two Hyperbaric Life Boats are provided (one port and one starboard). The bells have 6.5m internal capacity and are launched through two athwartships moonpools, positioned near the minimum motion point of the vessel.
 2 x 3 Men Bell of 6.5 m³

Well Intervention System



DP3 OFFSHORE CONSTRUCTION VESSEL



Length - over all	102.84 m
Length between perp.	62.90 m
Breadth - moulded	22.00 m
Depth - moulded	9.20 m
Deck area	~1130 m²
Max speed	15.0 kn
Service speed	12.0 kn
Fuel oil capacity	~1200 m³
Fresh water capacity	~1100 m³
Deck Load (KCG) / m	~2400t
Moored ball	
Deadweight (d) 7.2m	

Class
 DPV - 100, 50, 30 - Offshore Service Vessel -
 Bureau Veritas, Bureau Veritas - 100, 50, 30 -
 Class Design - Bureau Veritas, Bureau Veritas - 100, 50, 30 -
 DPV 100, 50, 30 - 100, 50, 30, Bureau Veritas, Bureau Veritas

DECK HIGHLIGHTS





CPOC Project- Malaysia - SapuraKencana TLO

UDS has completed a Provision of Air/Surface and Saturation Diving Personal on board SK900 (EPCIC of WHP & SUBSEA PL FOR JDA BLOCK B-17 Development Project Phase- 3Development) by SapuraKencana TLO Offshore Sdn Bhd, SapuraKencana TL Offshore Sdn Bhd ("TLO") is a wholly- owned subsidiary of SapuraKencana Petroleum.

" This contract recognize the capabilities of Ultra Deep as a trusted business partner and further enhances our order book. UDS has made encouraging progress in expanding our foot print in South East Asia. We are confident to deliver the project effectively and efficiently, said Mr. Shel Hutton , Chief Executive Officer of UDS."



ULTRADEEP
SOLUTIONS

in cooperation with



"STATE-OF-THE-ART"

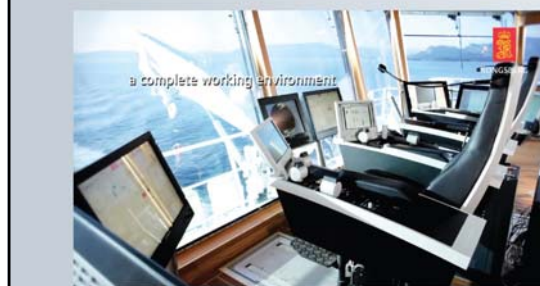
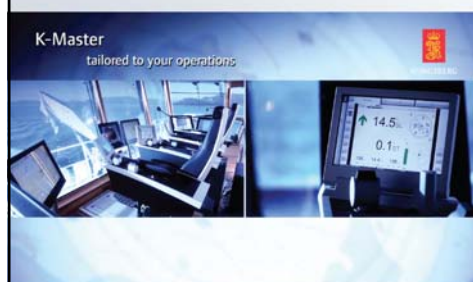
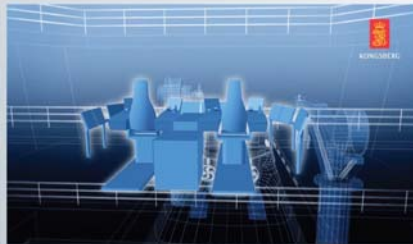
*K-Pos DP22 - Main Dynamic Positioning Control System
K-Pos DP12 - Backup DP Control System
HMS100 Helideck Monitoring System
Bridge & ECR Consoles*

*K-Master Workstation
K-Thrust - Integrated thruster control system
K-Chief - Integrated automation System
K-Bridge - Integrated Bridge System
K-DMS Information Management System*



KONGSBERG

DP3 KONGSBERG





400T ACTIVE HEAVE COMPENSATED FULLY ELECTRICAL
MAST CRANE from **HUISMAN**, Netherlands.



COMPLETE THRUSTER PACKAGE FROM **ROLLSROYCE** for
high DP CAPABILITY and THRUSTERS.



WÄRTSILÄ

Featuring 19.3 MW electrical power plant with fuel efficient
6 X **WÄRTSILÄ** engines in two engine rooms.



DIVING SYSTEM



FLASHTeKK

The 24-man saturation diving system includes 2x6-man Single lock living decompression chambers, 2x6-man single lock decompression chambers and two horizontal transfer under pressure chambers, 30,000m³ of gas storage and up to six split levels of saturation storage. Two Hyperbaric Life Boats are provided (one port and one starboard). The bells have 6.5m³ internal capacity and are launched through two athwartships moonpools, positioned near the minimum motion point of the vessel.

2 x 3 Men Bell of 6.5 m³

