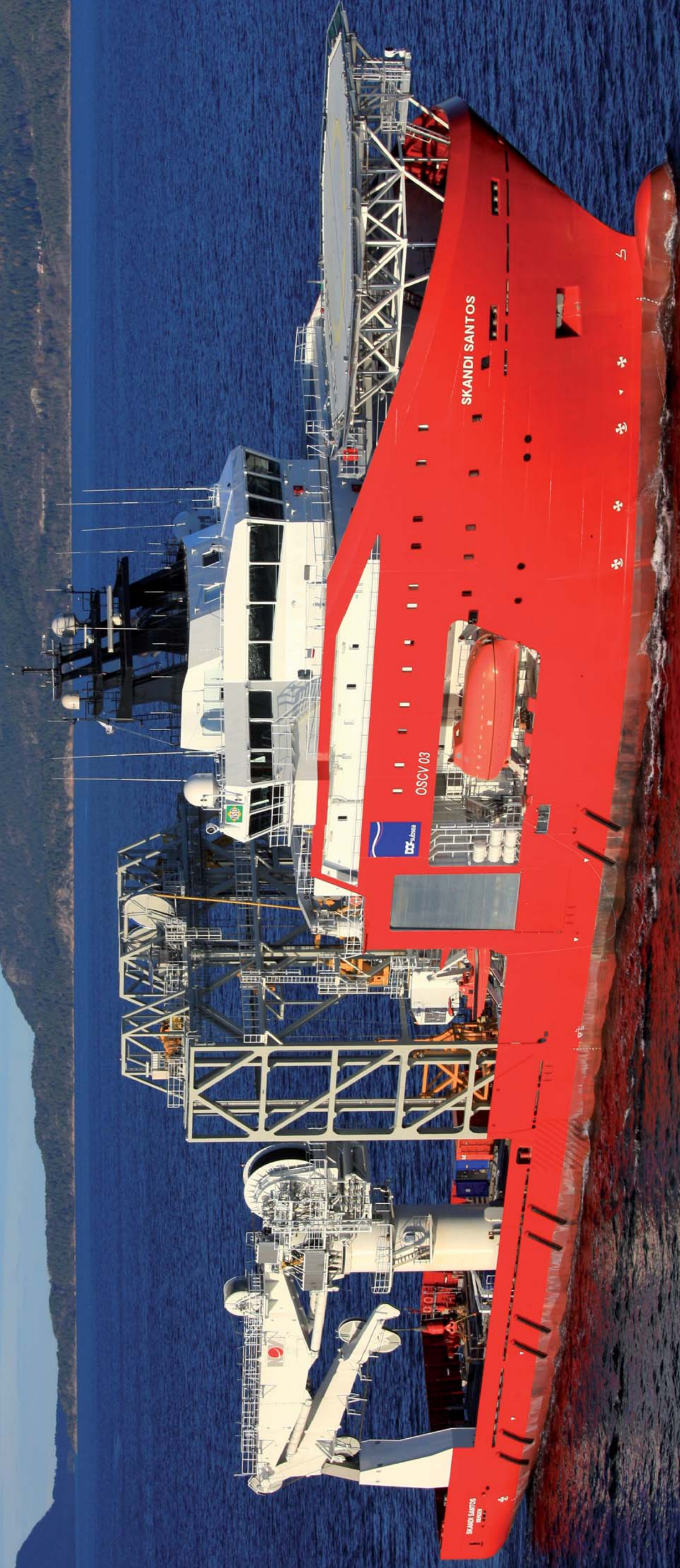


SKANDI SANTOS

Offshore Subsea Construction Vessel

Temporary version. Foto: H. Valderhaug.



stx Europe

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stx Europe

SKANDI SANTOS

BUILT BY: STX Europe at Aukra

OWNER: DOF Subsea

YARD NO: 716

DELIVERED: November 2009

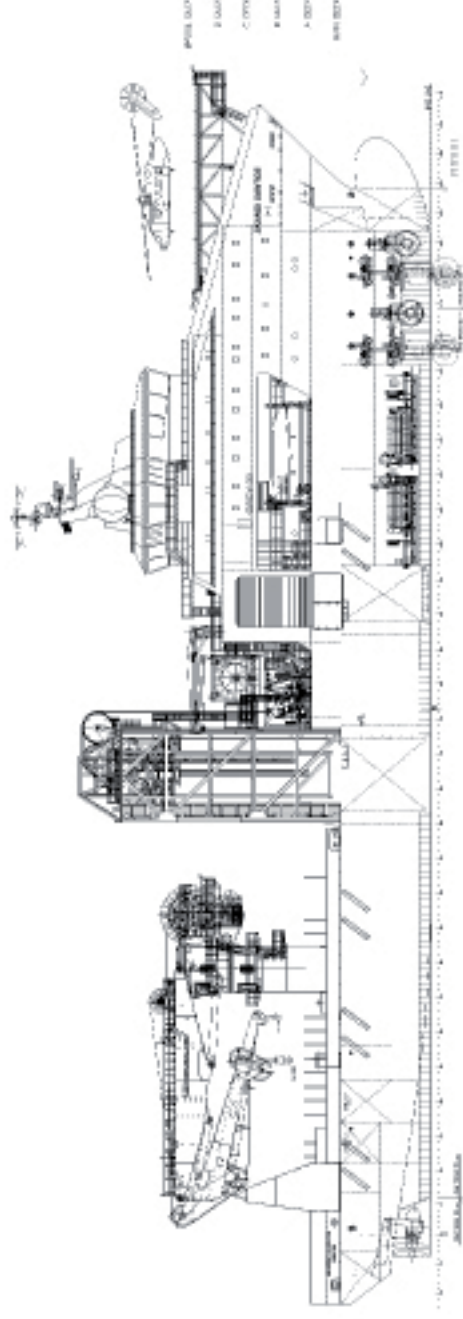
DESIGN: OSCV 03

The vessel is specially designed and equipped for Subsea operation duties with high focus on good sea-keeping abilities and excellent station keeping performances.

The vessel is environmentally friendly with focus on low fuel consumption, and precautions in accordance with DNV's CLEAN DESIGN requirements are incorporated in the design.

The vessel main activities are:

- ROV with possibility to launch ROV in moonpool, on starboard side and port side
- Subsea construction and installation work
- Subsea maintenance work



SPECIFICATIONS

MAIN PARTICULARS (APPROX.)

Length overall approx. 120.70 m
Length between p.p. approx. 105.20 m
Breadth moulded approx. 23.00 m
Depth main deck approx. 9.00 m
Max. scantling draught 7.00 m
Gross tonnage 9,074 t
Tide speed 15.57 knots

CLASS

DNV +1A1, E0, DYNPOS AUTRO(IMO III), SF, DK(+), CRANE, HELDK-SH, ICE C, CLEAN DESIGN with NAUT-AW, COMFV(3) C(3)

ACCOMMODATION

Accommodation and equipment for 120 persons (28 off single cabins, 46 off double cabins)

CAPACITIES

Cargo deck area (approx.) 1 125 m²
Fuel oil 1 864 m³
Ballast water 5 732 m³
Fresh water 796 m³
Deadweight (max draught and open moonpool) 5 100 t

MAIN ENGINES & GENERATOR SET

4 off MAN 9L 27/38 – 2970 kW at 720 rpm
4 off AEM SE710 10 – 2880 kW, 690 V – 60 Hz
1 off MTU 16V4000M 40B – 2080 kW – 1800 rpm

HARBOUR/EMG. GENERATOR SET

1 off SCANIA DI16 44M – 405 kW – 370 kW – 1800 rpm

SWITCHBOARDS

STX Norway Electro Switchboards installed:
2 off Main switchboard 690V
2 off Main switchboard 440V
2 off Main switchboard 230V
1 off Em./Harbour switchboard 690/230V
1 off Deck equipment switchboard 440V

EL INSTALLATION

STX Norway Electro el. installation and system integration

THRUSTERS

2 off RRM TT2400 DPN FP
Propeller ø 2400 mm, 0-257 rpm
El. motor 1500 kW, frequency controlled
2 off RRM Azimuth retractable UL1411 FP
Propeller ø 2000 mm, 0-334 rpm
El. motor 1090 kW, frequency controlled

MAIN PROPULSION

2 off RRM Azimuth thruster Contaz 25
Propeller ø 3600 mm, 0-150 rpm
El. motor 3000 kW, frequency controlled

AUTOMATION:

STX Norway Electro Automation System.
Integrated Automation System (IAS) including tanksounding, pump & valve control, Power Management System (PMS) and remote service via VSAI.

ABB Data Acquisition System (DAS) for displaying ship operation to client, crew and operators.

MOONPOOL

1 off ROV moonpool 5,5 m x 5,6 m net opening
1 off Work moonpool 7,2 m x 7,2 m net opening

DYN POS, NAVIGATION AND COMMUNICATION

Kongsberg Maritime Dynamic Positioning System
1 off KPOS DP-21
1 off KPOS DP-11 Class 3 Back-up DP
1 off cJoy independent joystick system

Reference systems installed:

2 off HIPAP 500
2 off Seapath 200
2 off DGPS
1 off Fanbeam

OFFSHORE CRANE

1 off National Oilwell Offshore AHC knuckle boom crane, 250T – 14m

ROV HANGAR

1 off Odim Moonpool launching- and recovery system
2 off Odim Side launching- and recovery system on SB side and port side

DECK EQUIPMENT

Windlass 2 off ABW windlass 24T, electric driven
Mooring winch 2 off ABW mooring winch 10T, electric driven
ROV Crane 1 off Effer Marine crane 360M-75, 1,1T – 19,5 m
Helideck Helideck of 21m in diameter acc. DNV HELDK SH
Deck Cranes Helideck monitoring system, type Seatex HMS100
2 off ABAS knuckle boom crane, 3,0T – 15 m

TOPSIDE EQUIPMENT

SUBSEA EQUIPMENT DEPLOYMENT SYSTEM :
1 off Subsea equipment orientation system (SOES)
1 off ODIM fiber rope deployment system 125T
2 off test cursor systems
1 off moon pool hatch
1 off tower control cabin
1 off nitrogen factory

DECK SKID SYSTEM:

Distributed skid system on deck
3 off hydraulic tractor systems
10 off storage pallets 50T
2 off test pallets 125T

TEST EQUIPMENT:

Test and flushing capabilities
1 off high collaps resistant hose system (HCR)

LIFESAVING EQUIPMENT

MOB Boat 1 off Weedo 700 FRC
Life Boats 2 off Eide Marine Tech Type JY102C capacity 120 persons
Totally enclosed lifeboats

HULL

Steel hull built by STX Europe in Tulcea, Romania

