

Skandi Inspector



Multi-Role ROV Survey and Construction Support Vessel

The Skandi Inspector is one of Fugro's multi-role ROV survey and construction support vessels. The vessel was converted by the owners during the winter of 1998-1999 to an exacting specification compiled by Fugro in order to meet the varied demands made by our Clients undertaking operations throughout the world. The NMD Class II DP vessel is equipped with Simrad SDP21 DP system interfaced to dual Seastar DGPS and to both a Simrad HiPAP and Sonardyne Fusion LUSBL acoustic system.

The Skandi Inspector is fitted with a 50T National Oilwell heave compensated deck crane. The design criteria for the crane was to provide flexibility in the handling of deepwater loads with optimum deployment and recovery speeds. In the standard configuration the crane is capable of safely handling loads of up to 50T in water depths down to 1200m. The crane also features as standard, a high speed auxiliary winch unit, lifting up to 10T at depths down to 1000m.

The winch is dual speed and can recover loads at speeds of up to 130m/min.

The prime Triton XL26 work-class ROV is deployed through the forward moon-pool using a custom made Launch And Recovery System (LARS) to minimize the impact of vessel motion. The LARS traction winch give heave compensated, high-speed deployment and recovery of the ROV in depths down to 2500m. A second Triton XL21 work-class ROV is installed on the deck aft of the accommodation and deployed by A-frame on the starboard side of the vessel.

The timbered main deck with an usable area of over 375m² and a deck loading of 5T/m² offers our Clients the flexibility to both transport deck cargo and to undertake subsea deployment operations using the 50T crane either over the side or through the separate 5.0m x 5.2m after moon pool.

With a dedicated 250KVA power supply and fuel available, the facilities are in place on deck to support a Client's trenching, pipeline and cable deployment spreads.

- Angola
- Argentina
- Australia
- Azerbaijan
- Belgium
- Bermuda
- Brazil
- Brunei
- Canada
- China
- Congo
- Denmark
- Egypt
- France
- Gabon
- Germany
- Ghana
- Hong Kong
- India
- Indonesia
- Ireland
- Italy
- Japan
- Kazakhstan
- Kuwait
- Lebanon
- Luxembourg
- Malaysia
- Mexico
- Netherlands
- Netherlands Antilles
- Norway
- Nigeria
- Oman
- Pakistan
- Philippines
- Poland
- Qatar
- Russia
- Saudi Arabia
- Singapore
- South Africa
- Spain
- Switzerland
- Thailand
- Trinidad & Tobago
- Turkmenistan
- United Arab Emirates
- United Kingdom
- United States
- Venezuela
- Vietnam

Skandi Inspector

Multi-Role ROV & Survey and Construction Support Vessel

NAME	Skandi Inspector	PORT	Nassau
CLASSIFICATION	DNV +1A1-EO NMD Class II DP, DK (+), Heldk	MMSI NO	308941000
OWNER	District Offshore AS	CALL SIGN	C6QW5
BUILDER	Ulstein 1979	CIMO	7905285
FLAG	Bahamian		

Dimensions

LOA	81.10m; LBP79.34m
Breadth	18.00m
Draught	4.97m (maximum)
Tonnage	3,345T Gross; 1,003T Net
Displacement	4,740T (Maximum)
Freeboard	2.13m (summer)

Machinery

Main engines	2x 2,470bhp MAK
Aux engines	3x 308kVA GM/Siemens 2x 1,460kVA Cummins
Shaft generator	2x 1,500kVA Siemens
Main propeller	2x 2.55m VP Ulstein
Bow thrusters	3x 370kW
Stern thrusters	1x 370kW / 1x 647kW
Speed	Service 11kts (7T/day); max. 13kts 15T/day)
Endurance	40+ days

Capacities

Fresh water	450m ³
Water maker	15T/day
Ballast water	1,000m ³
Fuel oil	1,100m ³

Deck Machinery

Deck crane	National Oilwell 50T/17m; 1200m x 58mm, Whip 10T/21m; 1000m x 25mm
Moonpools	Forward: 5m x 5.8m enclosed in large hanger; Aft moonpool (5m x 5m)
Capstans	2 x 10T
Provision crane	1 x 3T; 1 x 2T
Deck area	23.5m x 16m = 375m ²
Deck Loading	5T/m ² ; total loading 1,900T
Helideck	19m x 19m octagonal; A/C type Super Puma

Mooring Equipment

Anchors	2 x 2,460kg stockless;
Anchor Chains	2 x 2,500ft, 38mm

Control and Navigation

DP system	Simrad SDP21
DP references	Dual DGPS: HIPAP and Sonardyne Fusion LUSBL; Taut wire: Seapath 200
Radars	1 x KH Nucleus 5000, 1x Furuno 2115 2920
Gyrocompass	1 x RGC-11; 2 x Meridian; 1 x Plath 2920
Auto pilot	Robertson AP8
GPS	Trimble Nav NT200
DGPS	Fugro Seastar
Echosounder	Simrad EN
Speed log	Galatee Ben

Communications

MF/HF	1x Sailor compact HF SSB RE2100
Watchkeeper	Delcom DC300D
VHF	2 x 25W Sailor 1 x 25W Skanti
VHF DSC	2 x Sailor compact VHF DSC RM 2042
Inmarsat A	JRC-45A MKII
Inmarsat B	Nera Saturn B
Inmarsat C	2 x Sailor Inmarsat C Tranceiver H 2095; 2x Sailor Inmarsat C Message terminal H 2098
KU band	Invsat Orbit Marine AL-7200
Helicopter communication	2 x Helicopter radio I CCM.VHF/AM; 1 x VHF-AM-Tranceiver FSG 5; 1x Radio Beacon Controller TU 8250 B
Epirb	1 x TRON 40 S, 406 MHz Cospas/Sarsat
SART	2 x TRON SART 9 GHz Radar Transponder
VHF Hand held radios	3 x TRON VHF, (JOTRON); 4 x Motorola

Accommodation

Cabins	16 x 1 person; 22 x 2 person
Hospital	1 berth
Offices	On-line survey room 7.2m x 5.1m; offline survey room 8.1m x 4.5m; 2 x client office 3.3m x 2.5m; conference room
Recreation	4.8m x 2.8m 2 x recreation rooms c/w Satellite TV/VCR/DVD
Safety	
Lifeboats	2 x 32 person Harding
Lifeboat davits	2x Norpivot SDP 6
Lifeboat recovery winch	2x Norpivot E-21-35 SP, V-1505-2
Life rafts	2 x 22 person; 4 x 25 person
MOB / FRC (Rescue boat)	MP-741 FRC Springer
Rescue boat davit	Hydramaskin, HMD A 32, SWL=3200Kg
Rescue boat recovery winch	Hydramaskin, HMW 380 350-250

Triton XL26 System

Dimensions	3m x 1.8m x 1.5m
TMS	2m (dia) x 2.2m (ht)
Depth rating	2000m
HPU Power	100SHP
Payload	200kg (300kg frame)
Manipulator	TA16 + T3 (Option)
Cameras	SIT, colour, zoom
Sonar	Tritech
Heading	CDL RLG
Depth	Tritech Digiquartz
Attitude	Tritech PA200/500
Moon-pool ROV	3000m umbilical
Over side ROV	1400m umbilical

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