

SEABED WORKER

Multi-Purpose Subsea Vessel

- 2 x Schilling HD 5000 m WROVs
- ODIM AHC A-frame LARS
- ODIM AHC Moonpool LARS
Moonpool 5.4 m x 6.0 m
- Kongsberg class DP 2 system
- Kongsberg HiPAP 500 & 100
- Active heave compensated
50 t offshore crane
- Accommodation for 66 persons
- 630 m² deck area plus 270 m²
cargo holds below main deck
- Voith Schneider propulsion with
active roll stabilization
- ERN 99,99,95





TECHNICAL SPECIFICATIONS

VESSEL

Port of registry:	Bergen
Flag:	NIS
IMO Number:	9533244
Class:	DNV, +1A1, DYNPOS-AUTR, E0, DK (+), CLEAN COMF (V3), NAUT-OSV(A)
Call sign:	LAGI7
Builder:	Fjellstrand AS
Built:	2009
ERN:	99,99,95

DIMENSIONS & CAPACITIES

Length overall:	88.80 m
Length between P.P.:	78.15 m
Breadth:	16.00 m
Draft lightship:	5.70 m
Draft maximum:	7.15 m
Draft minimum:	6.10 m
Deck space:	630 m ²
Deck strength:	5 t/ m ²
Gross tonnage:	3923 tonnes
Net tonnage:	1177 tonnes
DWT:	2350 tonnes
Cargo holds:	270 m ³
Water ballast (approx):	1168 m ³
Fresh water (approx):	671 m ³
Fresh water production:	10-15 m ³ /day
Fuel oil (approx):	900 m ³
Endurance at sea:	Approx. 50 days

SPEED

Economical speed:	9 knots
Service speed (approx):	12 knots
Max speed (approx):	14 knots

MAIN ENGINES /
GENERATORS / THRUSTERS

Main engines:	4 x Cummins QSK 60 DMI 4 x 1800 kW
Generators:	4 x 1800 kW
Stern Thrusters/Prop.:	2 x 2500 kW Voith
Fwd thrusters:	2 x 1000 kW Tunnel
Fwd Azimuth:	1 x 1000 kW Azimuth

MAIN CRANE

National Oilwell Offshore Crane	
Main winch (AHC):	50 t/ 20 m radius
Main winch in 2-fall:	100 t/ 8 m radius

Wire length main winch:	3000 m approx
Max outreach:	35.9 t/ 25 m radius
Hook speed full load:	0-30 m/min
Hook speed light load:	0-60 m/min
Aux winch:	10 t/ 26 m radius
Wire length aux winch:	100 m
Tugger winch:	3 t

DECK CRANES

Deck crane 1:	1 x Palfinger 32002 on moonpool tower, 6 t/ 4.5 m radius
Deck crane 2:	1 x Palfinger 4501A in ROV hangar, 780 kg/ 5 m radius

ACCOMMODATION
& MEETING ROOMS

Total:	66 persons
Berths:	10 x 1 / 28 x 2
Lounge:	1 x 40 m ²
Mess room:	1 x 80 m ²
Meeting room:	1 x 15 m ²
Online room:	1 x 25 m ²
Offline room:	1 x 40 m ² (offline/ geo room)
ROV:	1 x 31 m ² (control room)
Office:	1 x 15 m ² (client)
Hospital:	1 x 14 m ²
Gymnasium:	1 x 23 m ²

NAVIGATION / DP SYSTEM

Radar:	1 x Furuno 10 cm radar (S-band) w/Arpa
	1 x Furuno 3 cm radar (X-band 9 Ghz) w/Arpa
Gyro:	3 x Gyro compasses
GPS:	2 x DGPS systems
Heading Sensor:	1 x Seapath 200
MRU:	3 x Kongsberg MRU 5
DP:	2 x Kongsberg DP Operator Stations
Sensors:	2 x wind sensors
Echo Sounder:	1 x navigation echo sounder
Speed log:	1 x speed log
ECDIS:	Dual ECDIS
USBL:	1 x HiPAP 500 1 x HiPAP 100

COMMUNICATION
EQUIPMENT

VHF:	2 x VHF w/DSC 2 x VHF
MF / HF:	1 x MF/HF w/DSC
Inmarsat:	2 x Inmarsat-C with SSAS alarm
GMDSS:	1 x GMDSS A3
Fleet:	1 x Fleet 77 w/ fax and interface to DP
Navtex:	1 x Navtex
VSAT:	Dual hybrid C & Ku-band
Iridium:	L-band voice
GSM:	1 x GSM mobile phone
Portable VHF:	3 x Portable VHF (GMDSS), (emergency only)
UHF:	Portable and stationary, available for internal communication
ClearCom:	Available in office and operation areas

ROV HANGAR

A ROV hangar is situated aft of the accommodation area. The hangar may be closed in order to function as a protected work area for storage, maintenance and handling of the ROV systems. The vessel also holds a ROV mechanical and electrical workshop.

LAUNCH & RECOVERY
SYSTEMS ROV

ROV 1:	<ul style="list-style-type: none"> ■ Schilling HD 5000 m Work Class ROV ■ ODIM A-frame installed in ROV hangar ■ AHC ROV umbilical winch
ROV 2:	<ul style="list-style-type: none"> ■ Schilling HD 5000 m Work Class ROV ■ ODIM Launch and Recovery System installed in moonpool ■ AHC ROV umbilical winch