

THE OFFSHORE INSPECTION VEHICLE WITH ENHANCED INTERFACE CAPABILITY

The Seaeye Lynx is a leading observation and inspection vehicle used by the oil and gas industry especially for missions in water depths to 1,500 m. The Lynx is fitted with two vertical and four horizontal thrusters making it a very stable platform with exceptional manoeuvrability.

A wide range of tools and sensors are available as well as interchangeable tooling skids, which are powered by a dedicated tooling power supply unit. The Lynx vehicle is available as a free swimmer or can operate in conjunction with a Type 4 Tether Management System (TMS).

- Surface Power Supply Unit and Surface Control Unit supplied inside an air conditioned control container.
- Surface Equipment includes Hand Control Unit, keyboard and monitors. An additional hand control unit is available for a manipulator skid.
- Fibre Optic MUX with two live video channels for video transmission. Additional MUX option available.
- Operated in conjunction with a Type 4 Tether Management System (TMS) for depths up to 1500 m.
- A Frame Launch and Recovery System (LARS).



FEATURES

- 1500 m. Depth Rating with a payload of 37kg
- Height adjustable garage type TMS with up to 250m tether
- 4 x horizontal vectored and 2 x vertical thruster configuration
- 69 kgf thrust forward and 39 kgf thrust vertically
- Integrated LARS skid with reduced deck footprint

THRUSTERS

Six thrusters provide a stable platform with an increase in vertical thrust for deep water and platform inspection projects.

ENHANCED DATA TRANSMISSION

Fibre optic data and video transmission with up to four simultaneous video channels available including an HD camera option

FLEXIBLE

Tooling options designed to deliver results even for the most challenging of projects.

MAIN PARTICULARS

ROV MFG	SAAB SEAEYE
IMCA-ROV CLASS	CLASS I
ROV S/N	1102
SYSTEM POWER	3-PHASE, 380-480 VAC AT 50/60HZ
DEPTH RATING	1500 m

VEHICLE

DEPTH RATING	1500 m SEA WATER
PAYLOAD	37 Kg with manipulators fitted
DIMENSIONS	1260 (L) x 815 (W) x 605 (H) mm
WEIGHT IN AIR	200 Kg (unballasted)
	278 Kg (ballasted)
BOLLARD PULL	69 Kgf FWD/AFT
	45 Kgf LATERAL
	39 Kgf VERTICAL
VEHICLE SPEED	3.0 knots FWD/AFT
	2.5 knots LATERAL
	2.0 knots VERTICAL
PROPULSION	4 X VECTORED HORIZONTAL AND 2 X VERTICAL SM4, 250 VOLT BRUSHLESS DC THRUSTERS
POWER	15KW 380/480 VAC 3-PHASE
AUTO FUNCTIONS	HEADING, DEPTH, ALTITUDE, PITCH & ROLL
HEADING CONTROL	± 0.5 DEGREES
DEPTH CONTROL	± 0.1% FSD
TELEMETRY	MULTIMODE MODE FIBRE
	3 X VIDEO CHANNELS
	2 X RS485
	4 X RS232
LIGHTING	UP TO 4 X 150W DIMMABLE LAMPS
EQUIPMENT INTERFACE	MANIPULATOR AND FMD SKID. 9KW 440 VAC FOR HYDRAULIC TOOLING CAPABILITY AND SURVEY EQUIPMENT



TETHER

TYPE	SEAEYE TYPE 4 TMS
DEPTH RATING	1500 m
TETHER	250 m
DIMENSIONS	1700 (L) X 1400 (W) X 2000 (H)
WEIGHT IN AIR	794 Kg (WITHOUT ROV)
TELEMETRY	MULTIMODE FIBRE - RS485 1/2 DUPLEX
	1 X VIDEO CHANNEL
LIGHTING	1 X 150W
CAMERAS	1 X B&W/COLOUR CCD CAMERAS

CONTROL & WORKSHOP CABIN

TYPE	20' CONTAINER
DIMENSIONS	6620 (L) X 2480 (W) X 2440 (H) mm
WEIGHT	7000 Kg
CONTROL SYSTEM	CONTROL DESK PANEL WITH VIDEO WALL
INCOMING SUPPLIES	1 X 380/440VAC, 50/60HZ, 3D MAIN

STANDARD EQUIPMENT

MANIPULATORS	HYDROLEK HLK-MB4
PAN & TILT CAMERA	1 X COLOUR ZOOM
LOW LIGHT CAMERA	1 X LOW LIGHT CCD
OBSERVATION CAMERA	1 X MONOCHROME
SONAR	1 X TRITECH SUPER SEAKING DFP
EMERGENCY FLASHER	1 X BOWTECH ST5K STROBE
EMERGENCY BEACON	1 X EMERGENCY PINGER
GYRO	1 X FLUXGATE COMPASS

A-FRAME LARS

DIMENSION	7315 (L) X 3278 (W) X 3061 (H) mm
WEIGHT	33000 Kg
DIST Between Rams	2300 mm
OVERBOARD REACH	3454 mm
SWL ON STOPS	10000 Kg