

LYNX INSPECTION CLASS ROV

ASSET CATEGORY



R EMOTELY OPERATED VEHICLES





Seaeye Lynx

General Description

The SAAB Seaeye Lynx is regarded as the leading inspection class vehicle within the oil and gas industry. Increasingly they are also being taken up as the ROV of choice by military and scientific customers seeking increased capabilities in deep water. With a depth rating of 1500m, the Lynx has a very stable platform and can perform well in strong currents and under the harshest conditions, providing excellent handling and maneuverability.

The open frame construction and generous payload offer the possibility of adding a wide range of tools and sensors as well as interchangeable tool skids

All details are presented herein in good faith and are believed to be correct at time of publication. System specifications are subject to change without notice.

Applications

AAB Seaeye Lynx is a versatile standalone or support system that is capable of tasks above the usual Dive Support or Inspection activities.

Main Features

The SAAB Seaeye Lynx has a diverse range of tooling skids that can be fitted to the underside of the ROV.

- 5 function manipulator skid
- Water jetting tooling skid
- Flooded member detection (FMD) orientation skid





COMMITMENT WITHOUT COMPROMISE

ROV SPECIFICATION

| | |
|-----------------|---|
| Depth Rating | 1500m |
| Dimensions | (l x w x h) 1500 x 815 x 605mm |
| Launch Weight | 200kg |
| Payload | 34kg |
| Forward speed | 3 kn |
| Thrust | 66kgf forward, 47 kgf lateral, 43kgf vertical |
| Propulsion | 6 x SM4 250V |
| Cameras / Video | 2 x SD camera standard Fiber Optic Multiplexer with upto 4 x simult channels |
| Lighting | Up to 600W LED lamps |
| Gyro | Magneto-resistive compass and solid-state sensor |
| Depth Sensor | Integrated with gyro, typically 0.1% FSD |
| Sonar | Super Seaking |

CONTROL VAN

| | |
|------------------------|--------------------------------------|
| Type | 16ft ISO Container (air conditioned) |
| Classification | Zone II, A60, DNV 2.7-1, |
| Approved | DNV |
| Dimensions (l x w x h) | 4900 x 2438 x 2800mm |
| Weight | 10000kg gross |
| Pilot control | Control desk panel with video wall |

LAUNCH AND RECOVERY SYSTEM

| | |
|-----------------------|---|
| Type | Fully integrated launch & recovery skid incorporating hydraulically powered A-Frame |
| Classification | Zone II, BS EN 12079-1, Lloyds Approved |
| Manufacturer | Tech-Safe Systems |
| Safe working load | 4400kg (bare drum), 2000kg (top wrap) 3m |
| Deployed reach | 6058 x 2438 mm (l x w) Height 7184mm (ops) 2867mm (transport) |
| Footprint skid (base) | 16800kg |
| Weight (Gross) | Up to 1600m |
| Umbilical length | |

TETHER MANAGEMENT SYSTEM

| | |
|-------------------------|-------------------------------------|
| Class / type | Seaeye Type 8 TMS side entry garage |
| Depth rating | 1500m |
| Dimensions (h x w x l) | 2788 x 1491 x 1792mm |
| Weight in air (approx.) | 918kg (without ROV) |
| Telemetry | Multimode fibre – RS485 ½ duplex |
| Camera | 1x SD camera |
| Lighting | 1x 150W LED Light |
| Tether | Up to 250m of 17mm |

SURFACE CONTROL

The surface control system provides

- AC and DC supply switching control DC current and voltage indication Control of video and video overlay
- A keypad for system configuration
- Plugs and sockets for system connections and interfaces for ancillary equipment
- ROV control system (via hand control unit)
- TMS control system (via SCU or foot switches) Wide range of tooling skids

MONITORS AND VIDEO OVERLAY

The Seaeye Lynx comes with rack or wall mounted monitors displaying the video signal from the cameras and the following overlay data:

- Heading
- Analogue compass rose
- Depth
- Tilt position
- Date and time
- Free text from keyboard
- TMS bail count
- CP probe reading (if fitted) Vehicle turns count
- Leak and vacuum alarms
- 1 string of live data, e.g. altitude or latitude/longitude (optional)