



COMMITMENT
WITHOUT
COMPROMISE



LYNX INSPECTION CLASS ROV

ASSET CATEGORY



R EMOTELY OPERATED VEHICLES





PANTHER XT PLUS ZONE RATED 1000M WCROC

General Description

The SAAB Seaeeye 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 Seaeeye 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 Seaeeye 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



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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)

