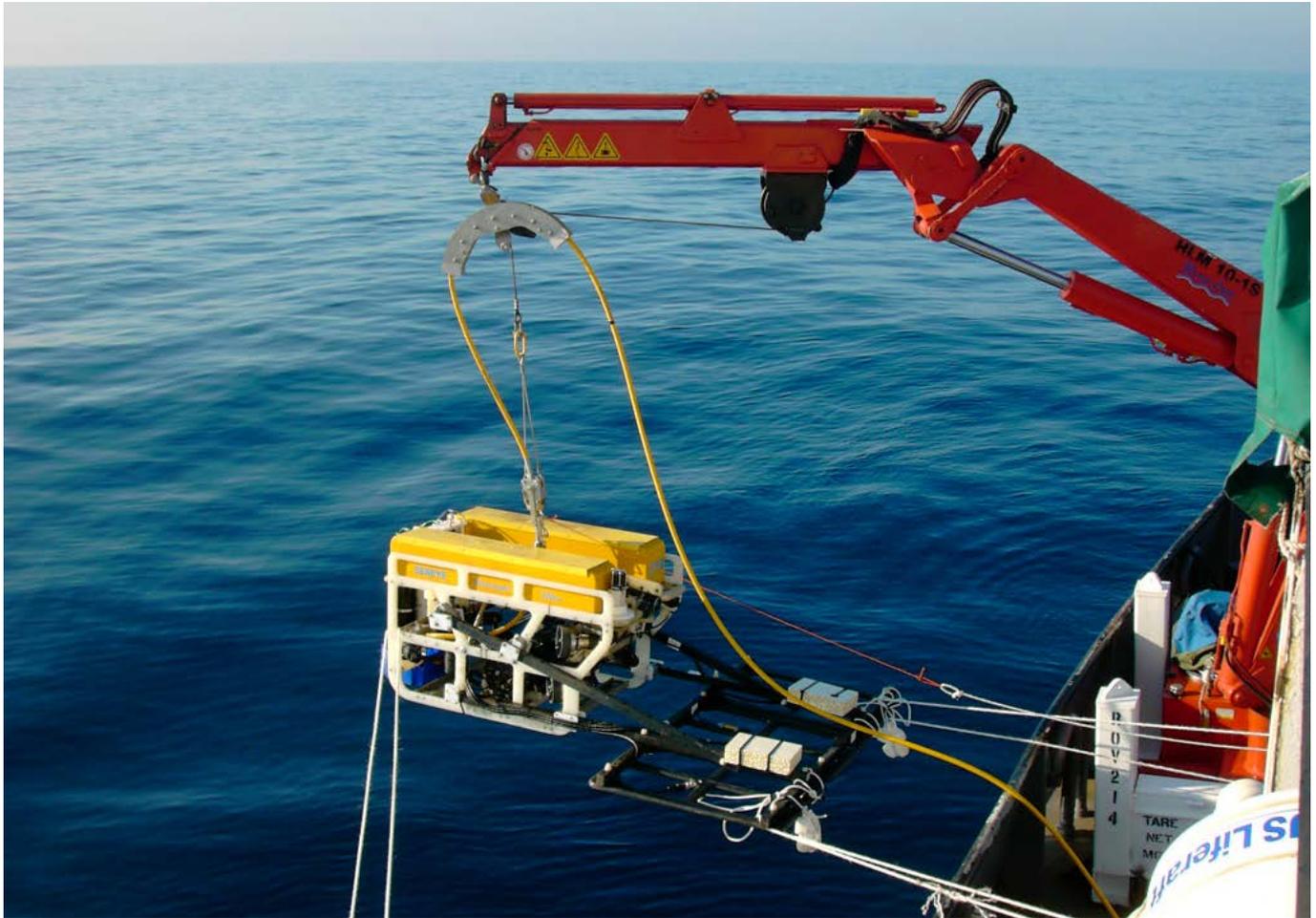


## Inspection Class ROV

### Saab SeaEye Surveyor Plus



With 125kgf of forward thrust, 108kgf of lateral thrust, and a 5-function working manipulator as standard, **Tamboritha's** 600m-rated free-flying **SeaEye Surveyor Plus ROV**, is a compact, and powerful electric Inspection-Class ROV. Fitted with ten thrusters to provide more power than most Inspection-Class ROVs, and also a contingency measure to shut down some thrusters and still safely finish the work, the **Surveyor Plus** is a compact system that has been designed for survey, inspection and observation works making the system ideal for drill support, and it also has ample payload to accommodate a full survey suite including a VT TSS 440 Pipe Tracker.

As with **Tamboritha's** other Electric ROVs, our two **Surveyor Plus ROVs** have two options for launch and recovery. The primary option is the A-frame LARs and when deck space is limited there is the option is a marine-rated knuckle-boom crane. For fast mobilisations on short projects, it is also possible to utilise a ship's crane for launch and recovery, although this is not preferred.

Whether using the A-frame or the crane, the deck space required for the **Surveyor Plus** is minimal, as the controls/video suite and workshop/stores are housed in the same container and mobilisations are fast and relatively simple with only 2 or 3 lifts. To further enhance practicality, reliability and mobilisation-times, **Tamboritha's Surveyor Plus** is fitted with UPS system with the capability to filter power to the complete system, so it can typically be powered by the rig or vessel power system without the need for a generator.

Tamboritha only use biodegradable hydraulic fluids and all hydraulic systems are fully banded to help preserve the environment. All lift hardware is certified to EN12079 or DNV 2.7-1 and the system is equipped with sufficient spare parts to support operations in remote locations.

# Inspection Class ROV

## Saab SeaEye Surveyor Plus

### Technical Specifications

#### ROV Metrology

<b>Depth Rating</b>	600msw
<b>Length</b>	1450mm
<b>Width</b>	820mm
<b>Height</b>	920mm
<b>Weight (ROV)</b>	300kg
<b>Payload</b>	45kg

#### Sensors

<b>Sonar (Imaging)</b>	Dual, Tritech Super Seaking Sonars 325 KHz & 650KHz)
<b>Heading</b>	Gyro, flux-gate compass with azimuth stability. Accuracy $\pm 1^\circ$
<b>Depth</b>	Electronic depth sensor accurate to $\pm 0.1\%$ FSD accuracy
<b>Strobe</b>	Novatech, Model ST-400A "Double Burst" Flash

#### Deployment and Operations

<b>Launch and Recovery</b>	A-Frame LARS as standard, with option of boom crane if deck space is limited
<b>Workshop/Spares</b>	Combined Control Van/Workshop, stocked for remote operations

#### Tooling

<b>Work Arm</b>	Hydro-Lek 5F (HLK-HD5)
<b>Optional Tools</b>	Inspection Skid, intervention skid

#### Auto Functions

<b>Depth Control</b>	$\pm 0.1\%$
<b>Depth</b>	$\pm 0.3m$
<b>Heading</b>	$\pm 1$ Degree

#### Power

<b>Thrusters</b>	SM4M brushless DC thrusters (8 Horizontal, 2 Vertical)
<b>Thrust Forward</b>	125kgf
<b>Thrust Vertical</b>	35kg
<b>Thrust Lateral</b>	108kg
<b>Forward Speed</b>	>2.5 knots

#### Vision

<b>Auxiliary Cameras</b>	3 x 460 TV line resolution
<b>Pan &amp; Tilt</b>	SeaEye Integrated Tilt Platform
<b>Lighting</b>	4 x variable intensity 150 W

