

SEA-KIT



SEA-KIT INTERNATIONAL SEA-KIT X

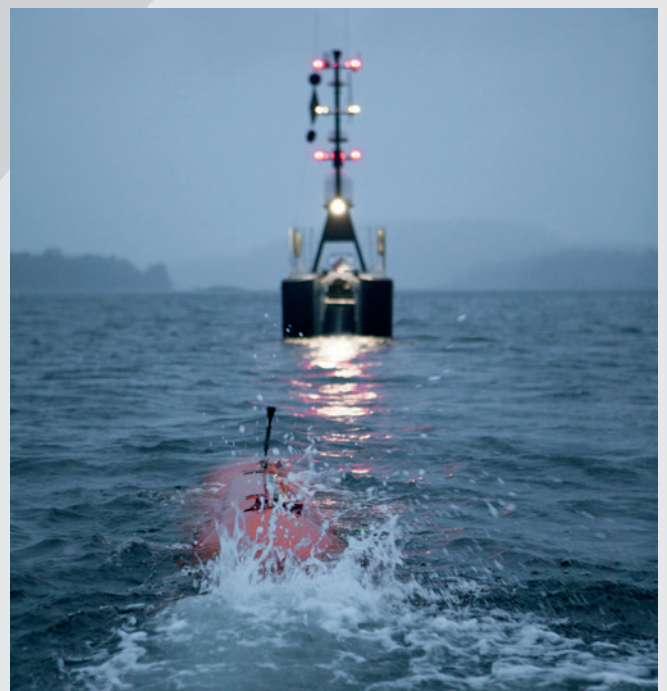
SEA-KIT X is designed to be an uncrewed mother-ship for remote vehicles such as large AUVs or ROVs. This unique ability allows for missions such as deep water bathymetry without placing human personnel in harm's way and at significantly reduced costs compared to traditional manned vessels.

SEA-KIT's long-range and long-endurance capability means that extended missions can be undertaken in a solo capacity or as part of a larger group of manned or uncrewed vessels. SEA-KIT is also developing automatic AUV charging to allow multiple missions to be undertaken without human interaction.

Data can be transmitted via broadband link or via satellite following on-board processing and compression. Alternatively, data can be stored on-board for retrieval at a later date if required.

KEY FEATURES

- Improved safety of offshore operations
 - Proven technology
 - Long endurance, full ocean capability
 - Fully uncrewed launch & recovery of underwater vehicles
 - Highly configurable
 - Large payload capacity (2 tons)
 - Ultra-low environmental impact
 - Uncrewed operations with secure remote control
 - COLREG compliant
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- Multiple mission variants
 - Multiple offshore payload variations
 - Optional AUV, ROV & UAV variations
 - Remote operation from secure location
 - Long range endurance capability
 - Ocean depth multibeam echo sounder



OPERATIONAL VARIANTS

The SEA-KIT X has been developed to support a wide range of marine operations and is highly configurable.

OPTIONS INCLUDE

- ▲F FATHOM includes MBES package
- ▲S STEADFAST includes DP package
- ▲V VIGILANCE includes maritime security package
- ▲T TRANSPORTER includes launch & recovery package

E.G. SEA-KIT X ▲F▲S▲T



The **SEA-KIT X FST** includes a multibeam echo sounder, station holding and underwater vehicle launch and recovery packages to deliver a versatile ocean survey capability. When equipped with a swarm of AUVs, large areas of the ocean can be surveyed by the vessel and its assets fully autonomously. The long endurance and robustness of the X Class allows for surveys many miles from port or mother ship.

E.G. SEA-KIT X ▲S



Variations of sub-categories available on request

VESSEL SPECIFICATION

LENGTH OVERALL	11.75	metres
BREADTH	2.2	metres
TRANSPORT HEIGHT	2.0	metres
OPERATIONAL HEIGHT	7.0	metres
WEIGHT	11,200	kg
PROPULSION	2 X 10 kW / 1200 rpm electric directional	thrusters
GENERATORS	2X18 / 48	kW / VDC
FUEL CAPACITY	2,000	litres
BATTERIES	56 Gel and Absorbent Glass Mat (AGM) types of valve-regulated lead-acid battery (VRLA) Marine Batteries	12 V – 214 Ah capacity
	4 dry cell Absorbed Glass Matt (AGM) VRLA Marine Dual Purpose Batteries for the engine and propulsion	12 V – 100 Ah
COMMUNICATIONS	G-Savi System	remote operated
	Wi-Fi, Radio, Satellite (Iridium and Inmarsat)	<45 km offshore
	2 interior and 6 fore and aft cameras, 1 night-vision camera	CCTV
SENSORS	Optional Multi-beam Echo Sounding equipment and HiPAP	
	Gondola	
OPERATIONAL ENVELOPE	Multiple worldwide control stations	Cat-0 Unrestricted
SELF RIGHTING	YES	

CERTIFICATION

DNVGL or Lloyd's Register

CLASS VARIATIONS

X Class = 12M SEA-KIT

Ω Class = 24M SEA-KIT

Σ Class = 36M SEA-KIT



Pictured, **SEA-KIT Ω Class**

SEA-KIT INTERNATIONAL

SEA-KIT International was created in 2016 to provide uncrewed, autonomous and remote-controlled solutions to the maritime industry. SEA-KIT's unique modular design means that it can be easily and cost-effectively configured to take on a wide range of maritime tasks and capabilities for various sectors.

Since its inception SEA-KIT has undertaken 3 years of extensive research and development to the value of over \$6.5 million.

DURING THIS PERIOD, WE HAVE:

- Conducted over 30 successful remotely operated AUV deployment and retrievals in offshore conditions, both day and night
- Conducted numerous uncrewed MBES operations
- Completed the first successful uncrewed international commercial voyage

Announced as the winner of the prestigious Ocean Discovery XPRIZE for innovation in ocean sciences in May 2019, SEA-KIT International is now operating on commercial projects for tier 1 oil and gas companies, seabed mapping and defence.



**CONTACT US FOR
INFORMATION ON
THE SEA-KIT
Σ CLASS (36M)**

