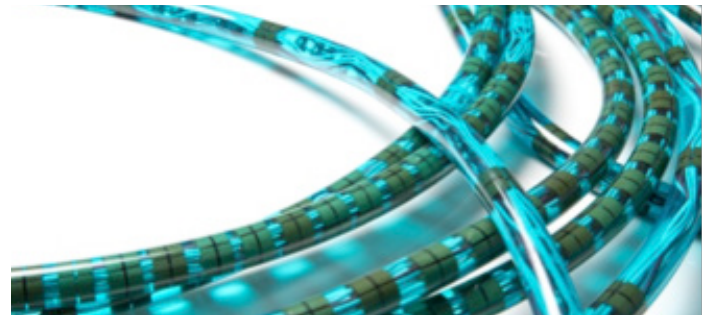


# DriX fitted with the SEA solution for ASW

Building Unmanned Sound Barriers (passive & active) with DriX, a discreet high-sea going USV by iXblue, fitted with KraitArray™, a user-configurable thin line array providing directional sensing capabilities from SEA.

A solution developed to help Navies to cope with the heavy strategic weight of a submarine threat, by applying new technologies to long standing concept of operations.



## DriX key features

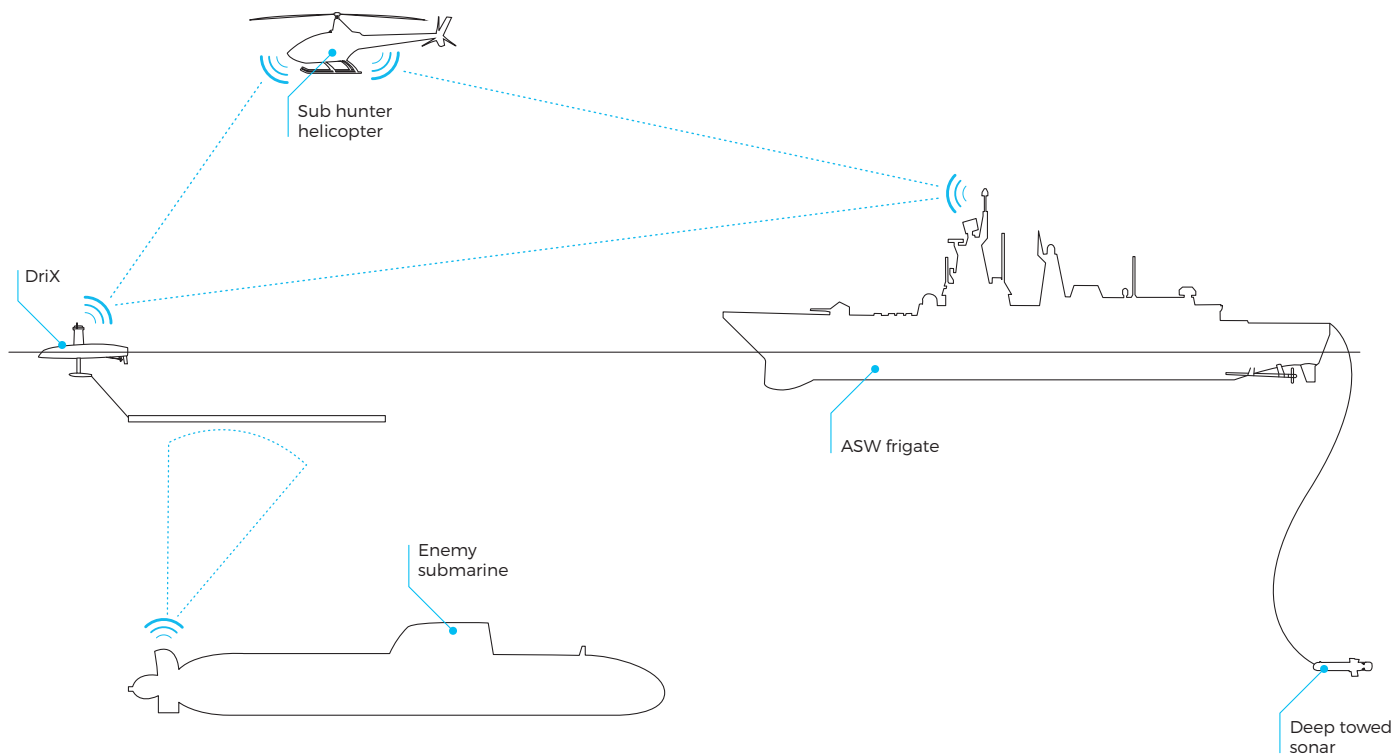
- A sea-proven USV able to operate in high sea states (at least SS5);
- Very low radiated noise;
- Endurance of up to 10 days at 4 knots, one day at 14 knots (depending on sea state and environment);
- Fitted with a LARS which can be installed in place of a traditional RHIB on any naval asset (also deployable using a deckcrane or an A-frame);
- Reduces human exposure on the battle field, but also for hoisting manoeuvres and manhandling in general
- Versatile, can be fitted with a number of sensors for various missions

## KraitArray™ key features

- Multi-module design with a total acoustic aperture of up to 150m
- Up to 128 Acoustic Channels & 32 Non-Acoustic Channels per KraitArray™
- Improved low noise Hydrophone design (<SS0) with integrated Pre-Amplifier and Acceleration cancelling technology
- Individual channel bandwidth <10 Hz – 20 kHz
- External Diameter is just 16mm and each module <10kg, vastly reducing deployment & recovery workload for autonomous vessels
- Operating Depth: 300m
- Very low power requirement: <50W (150m, 128 Acoustic channels, 32 Non-Acoustic channels)

## Enhancing current concept of operations (exemple)

- covert Passive and Multi-Static Active operations
- scalable, low cost, safe and re-deployable options to augment that ASW detect, locate, classify, track and inform



## iXblue

iXblue is a global leader in the design and manufacturing of innovative solutions devoted to navigation, positioning and underwater imaging, as well as shipbuilding and naval drones. Using its unique in-house technologies, the company offers turnkey solutions to its Civil and Defense customers to carry out their sea, land and space operations with optimum efficiency and reliability. Employing a workforce of 600 people worldwide, iXblue conducts its business with over 40 countries.



SEA is a major supplier of applied research, technology development, systems integration, specialist electronic systems, engineering and software design services to the defence and security markets.

Its engineering and project management skills include naval communications systems, maritime combat systems, through-life support, dismantled soldier systems, subsea engineering and traffic enforcement. Complementing its work for the UK Ministry of Defence, SEA is growing its business overseas and extending its expertise into adjacent markets, including offshore, railways and roads.

SEA employs circa 300 high-calibre staff and has offices in Beckington, Bristol, Barnstaple and Aberdeen.