

Subscut™

Submarine-Launched Expendable Anti-Torpedo Decoy



Generate deception signals to deceive acoustic torpedoes

Benefits

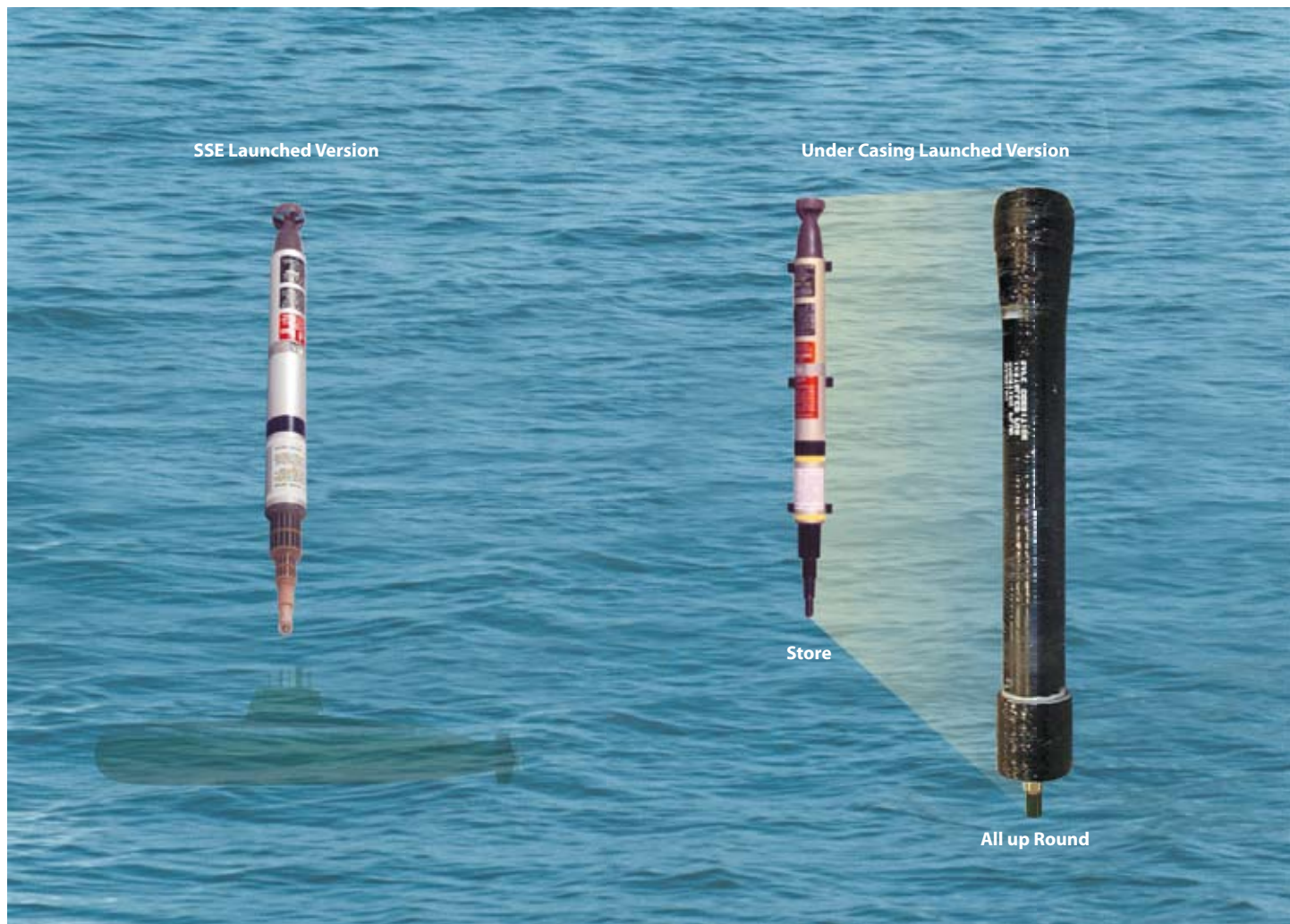
- Launched from any submarine's signal ejector or from external launcher
- Designed to respond simultaneously to multiple torpedoes of various types
- Customized to suit specific user requirements

Detects and analyzes acoustic torpedo transmissions

Subscut is a third generation reactive, expendable decoy designed to respond simultaneously to multiple torpedoes of various types of torpedoes - active, passive, and pactive. In response to a torpedo alert, Subscut is launched from the signal ejector of any submarine. The decoy is automatically initiated after launch, propelling itself to a preset depth where it hovers. Subscut detects active acoustic transmissions, resulting in decoy selection and generation of the appropriate deception signal for transmission, including Doppler effects, target highlights, and target self-noise. If no active torpedo transmissions are detected, Subscut transmits generic responses to counter passive homing torpedoes.

Customized and efficient

The decoy's threat library can be customized for the user's specific requirements. Subscut self-destructs at the end of its mission-the decoy sinks and all software is erased. Subscut is based on the Ultra Electronic Oceans Systems hardware and Rafael's proven reactive acoustic module electronics and software.



Technical Specifications

Diameter	7.5 cm
Length	99.1 cm
Weight	4.5 kg
Frequency range	17-85 kHz
Source level	>180 dB re μPa @ 1 m
Receive sensitivity	130 dB re/ μPa
Operating life	10 minutes
Operating parameters	programmable
Complies with MIL-STD environment parameters	