



# SUBSCUT

## Submarine Scutter

A 7.5cm reactive, expendable torpedo decoy based on the Ultra Electronics Ocean Systems proven Reactive Acoustic Module (REAM) and the proven RAFAEL SCUTTER electronics, Software and logic.

SUBSCUT (Submarine Scutter) is a joint product between Ultra Electronics Ocean Systems and RAFAEL, Israel. A submarine launched reactive decoy, SUBSCUT is designed to respond to two different types of torpedo simultaneously, whether they are active, passive, or passive homing.

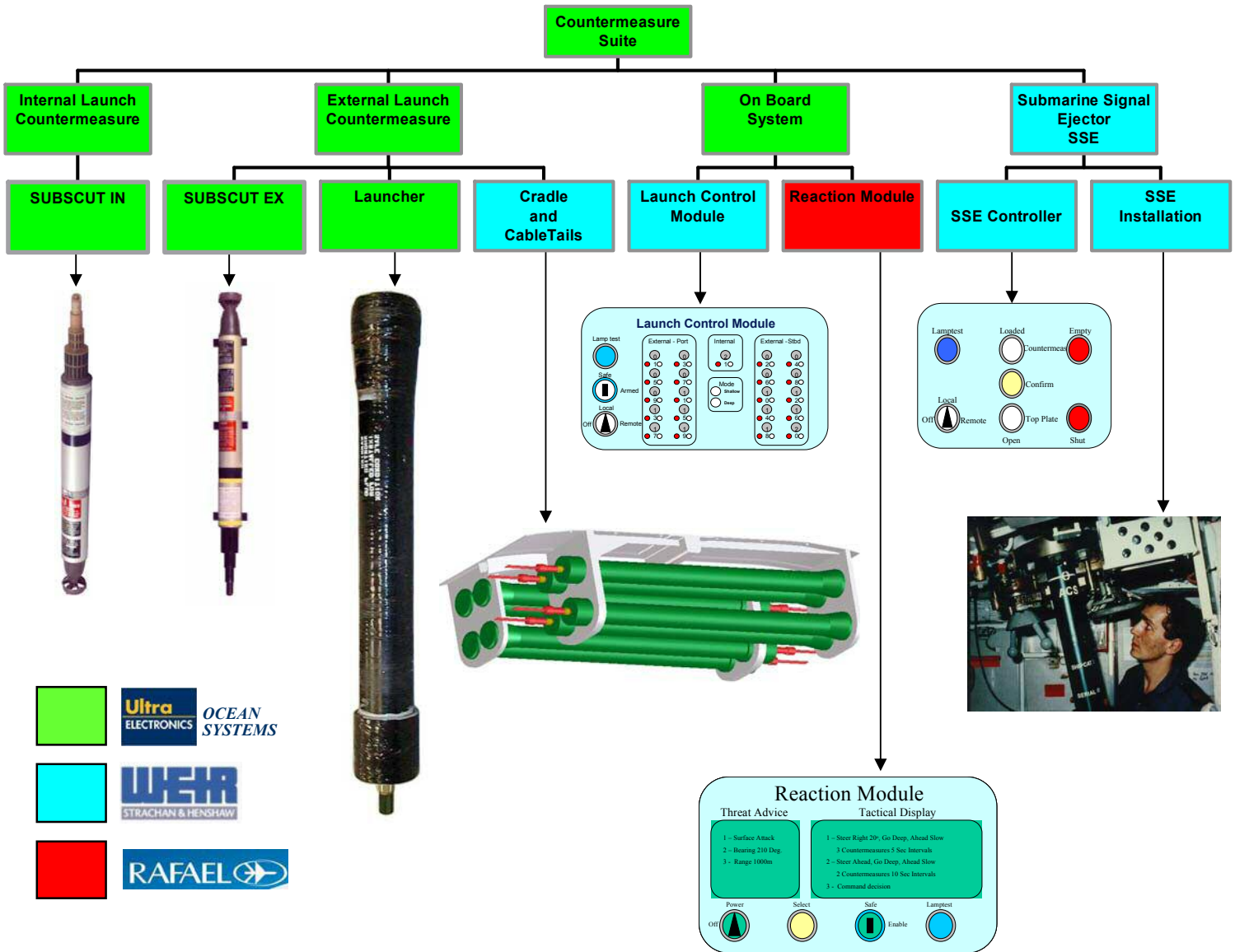
On receipt of a torpedo alert on board the submarine, SUBSCUT may be launched from any submarine signal ejector or from an external launcher. The decoy is initiated automatically after launch, propelling itself to a preset depth between 10 and 300 meters, where it hovers and listens for the torpedo transmissions. Active acoustic transmissions are detected and analyzed resulting in decoy selectivity and generation of the appropriate deception signal for




transmission including Doppler effects, target highlights and target self noise. If no torpedo transmissions are detected, SUBSCUT incorporates generic responses, which are transmitted to counter passive homing torpedoes. The decoy's "threat library" can be customized for each user's particular requirements. At the end of life the decoy sinks, and all software is erased.

### General specifications

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

## FULL COUNTERMEASURE SUITE STRATEGIC PARTNERING TO PROVIDE A COMPLETE SOLUTION



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