

Torbuster™

Novel Approach to Submarine Torpedo Defence

A Next-Gen Response to Evolving Torpedo Attacks

Today's submarines deploy to different arenas including shallow waters and face ever more sophisticated torpedoes. Older generation decoys and doctrines may not be sufficient to cope with them.

RAFAEL's TORBUSTER™ – a 4th generation combined Soft and Hard kill decoy for submarines – is making the difference in the new scenarios and threats. TORBUSTER™ is based on a novel approach. Upon detecting the incoming threat, the TORBUSTER™ will be launched from an external launcher. It will propel itself to a safe distance from the submarine and seduce the incoming torpedo by transmitting a tailored response, based on the reactive technology developed for the well-known SCUTTER™. As the torpedo homes in on the decoy, the decoy will sense its proximity and at CPA will detonate its warhead thus neutralizing the torpedo.

Benefits

- TRL-8, Military-Off-The-Shelf, SAT-proven and serially produced
- One Torbuster per one Torpedo Attack
- Effective in Shallow and deep water scenarios
- Eliminates re-attacks
- Fast reaction time – can deal with short-range attacks
- Safety – complies to STANAG 4439



Protecting Submarines with Today's Most Advanced Technologies

The TORBUSTER™ is a novel torpedo defence countermeasure with the task of ending the torpedo attacks after the first one, in all types of environments including shallow water.

The TORBUSTER™

Uses reactive 3rd generation soft kill technology in order to seduce the torpedo in its initial attack as an attractive target. The TORBUSTER™ senses the torpedo proximity utilizing a sophisticated proximity fuze. Once the torpedo is at CPA, the TORBUSTER™ will be detonated inflicting enough damage to the torpedo to neutralize it.

Operation

Torbuster is operated through the SHADE™ system. The system is operated by a single operator through a console that presents the scenario, the proposed timing, pre-sets, and inventory as well as modes of operation and maintenance displays.

Launchers

TORBUSTER is launched from external composite launchers which are very lightweight and have low TS characteristics.

Versatility

TORBUSTER is launched from external composite Torbuster can be set to be above or beneath the submarine depending on scenario.



Main Capabilities

- Advanced Defence computer which guides the operator in every step in real time
- State of the art Countermeasure including Hard kill
- Lightweight external launchers
- Fast reaction time

Technical Specifications

Countermeasure Type	Torbuster™
Dimensions	Length 2.3m, Dia 198mm, Weight 52Kg
Safety	Stanag 4439
Launchers	Torbuster Launcher: 200Kg



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