

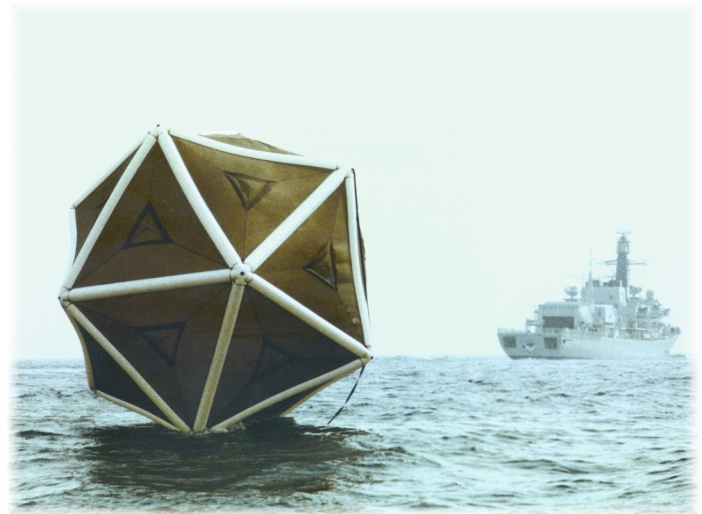
IDS300 NAVAL DECOY SYSTEMS

SHIP DEPLOYED FLOATING COUNTERMEASURE

The Airborne Systems IDS300 missile corner reflector decoy is a ship-deployed, inflatable, rapid response, passive radio frequency (RF) floating softkill countermeasure, designed to defeat even the most up-to-date developments in anti-ship RF missile seekers.

The softkill EW anti-missile decoy system can be used in seduction, distraction, confusion and signature management roles, and is particularly suited to littoral operations. It incorporates passive array comprising of a series of radar reflectors. Radar Cross Sections (RCS) in excess of 500,000 m² can be achieved from a single decoy.

A fully independent unit, the decoy does not require to be supported with other countermeasures such as jammers. One single decoy only gives ship soft kill protection, per threat engaged, providing a high level of performance for a low level cost, compared to other multiple firing lower performing countermeasures.



IDS300 launch tubes as fitted to UK RN Type 45 frigate

The decoy systems are designed and manufactured to meet specific requirements to match the performance and fighting tactics of the customers navy. These performance requirements are Radar Cross Section (RCS) values, the time required from firing to full effectiveness on the sea surface, and the duration that the decoy is required to remain effective on the sea surface.

Airborne Systems' decoy system has a proven in-service record with a number of NATO members warships.

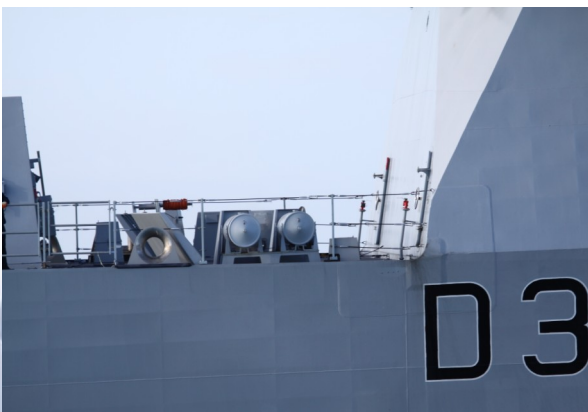
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IDS 300 decoy system main features:

- Fully automatic and immediate operation. The full radar cross section is achieved within seconds of launch into the sea.
- Consistent radar reflector performance, regardless of the threat direction, bearing or azimuth.
- Totally passive - No mutual interference with other ships systems.
- Gives a ship like return with time. The Radar Cross-Section (RCS) varies on the sea surface similar in pattern to a ship.
- Effective without knowledge of the specific type of threat being engaged.
- Resistant to chaff discriminators of modern ECCM missile seekers.
- Capable against broad frequency, agile, coherent and LPI threats.
- Suitable for use against supersonic, and late turn threats.
- Insensitive to the polarisation of the missile radar (horizontal or vertical).
- Remains effective on the sea surface for as long as required.
- Can be launched regardless of ship speed/direction and wind speed direction.
- Manual firing or fully integrated into the ship combat system.



Variants of IDS300 naval decoy on the sea surface



IDS300 launch tubes as fitted to UK RN Type 45 frigate

The decoy itself is stored ready for use in a low RCS launcher; a typical ship fitment consists of 4 launchers. The launchers are easily fitted to the ship, with only 8 bolts and 1 electrical cable. It is a simple and effective fit-and-forget system, requiring a minimum time for crew training, giving the system an extremely low cost of through life ownership.

The Airborne Systems IDS300 decoys provide a high level of performance for low level cost designed to meet a navy's specific requirements.