



C-GEM™

Shipborne Off-Board Active RF Decoy

Defend your ship against high-end missile threats

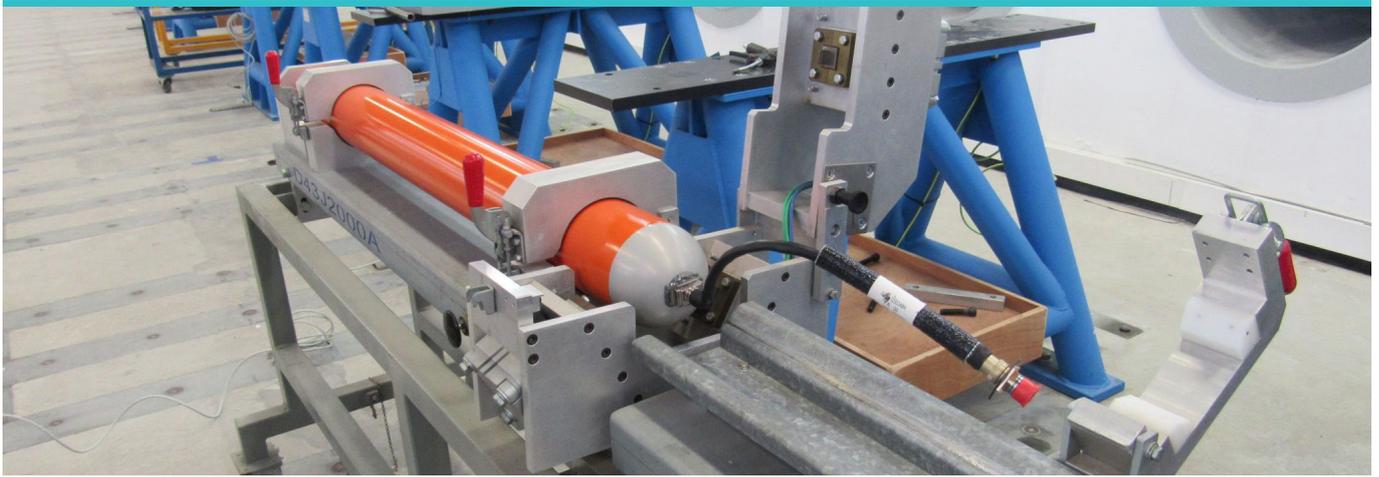
The C-GEM off-board active RF decoy is highly effective against current and new generation Anti-Ship Missiles (ASMs). Modern tracking radar seeker missiles exploit the principle of mono-pulse and coherent compressing pulse techniques to track marine platforms with high end ECCM capabilities. Many of these radars incorporate chaff and corner reflector identification and discrimination alongside with Home On Jam capabilities. C-GEM employs an active RF solution to cope with these sophisticated threats, covering distraction and seduction requirements as part of the ship's self-defense against tracking RADAR and missile seekers.

C-GEM generates robust, essential coherent techniques based on advanced DRFM and a compact high ERP transmitter for a very cost-effective solution.

C-GEM is part of the Integrated Decoy System (IDS) featuring a variety of other decoys.

Benefits

- Off-Board Active RF Decoy
- Solid-state active array with electronic beam steering
- Cost-effective solution
- Extended spatial coverage
- Fast response time
- Suitable for fixed, trainable and stabilized launchers
- High reliability fire and forget capability
- Adaptable to any decoy ammunition above 115 mm



Protection against multiple threats

C-GEM jams and deceives threats from multiple directions, independent of ship maneuvers by using a unique array technique with a sophisticated technique generator. Employing simultaneous coincidence jamming and effective transmitting power, C-GEM sets new standards in naval ECM.

The C-GEM system consists of solid-state Active Electronic Scan Array (AESA) Transmitters, capable of coincidence jamming in the direction of the detected threat, covering 360° in azimuth. These capabilities enable an immediate, powerful response, making C-GEM an ideal off-board choice for ship protection.

Main Capabilities

- Wideband coverage
- Threat direction measurements
- Directional jamming
- Programmed before launch to counter detected threats

Technical Specifications

Frequency coverage	6 - 18GHz
Transmitter	Solid-state electronic beam steering array
Spatial Coverage	360°
Interface	linked to the ship's EW and C&C systems or stand alone.



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