

Nulka Active Missile Decoy

- Provides warships with a highly effective all-weather defence against modern anti-ship missiles
- Unique hovering capability
- A single decoy can seduce multiple anti-ship missiles
- Unrivalled as an anti-ship missile decoy
- Protects Australian, US and Canadian warships
- Award winning technology
- Recognised as Australia's largest, most successful collaborative defence program



BAE Systems Australia is a leading supplier of unmanned flight vehicle technology. The Nulka active missile decoy provides warships with a highly effective all-weather defence against anti-ship missiles.

The award winning Nulka defence system is the result of a collaborative development between Australia and the US, and brings together hovering rocket, autonomous system and electronic technologies to seduce enemy missiles away from their target. The unique flight vehicle design allows the payload to be positioned with a high degree of accuracy over a wide range of environmental conditions.

Unrivalled as an anti-ship missile decoy, Nulka has received international recognition as an exceptional, leading edge product. In oceans around the globe, Australian, US and Canadian navies rely on BAE Systems Australia's Nulka technology to protect their warships.

Nulka is designed to be used either as part of a multi-layer defence system or for stand-alone ship protection. It comprises two key elements, the ship's equipment including the fire control system and launchers, and the decoy.

The fire control system consists of primary and secondary fire control panels using touch screen display technology which gives the Commander the ability to tailor the system to meet a specific environment. It can be either integrated into the combat system or used with the separate fire control system. Nulka has been successfully tested as a part of the US Navy's Ship Self Defence System (SSDS).

The decoy is held in a hermetically sealed canister which acts as a lifetime storage container as well as the launch tube. This arrangement allows for long term storage of the Nulka decoys within the launcher, enabling immediate use of the Nulka system in any threat scenario.

BAE Systems Australia is the Nulka Design Agent and prime contractor. Lockheed Martin is the Payload Design Agent.

Key Features

- Delivers rapid reaction even with minimum threat data
- Multiple modes of operation (automatic, semi-automatic or manual)
- All-weather operational capability
- No restriction on ship manoeuvre
- Capable of decoying multiple anti-ship missiles simultaneously
- Unique hovering rocket technology
- Produces RF responses then moves away from the ship following a programmed flight trajectory, taking anti-ship missiles with it
- Flight vehicle is autonomous after launch (fire and forget)

Launch Platforms

- Royal Australian Navy – FFG-7, ANZAC Class Frigates
- United States Navy – CG-47, DDG-51, LPD-17, FFG-7
- Canadian Navy – DDG
- Mandated for RAN Air Warfare Destroyer, USN DDG 1000, LSD-49, USCG Deepwater

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