CAMM

COMMON ANTI-AIR MODULAR MISSILE

CAMM, the Common Anti-air Modular Missile, is the next generation air defence missile designed for land, sea and air environments. Incorporating advanced technologies to provide complete protection against all known and projected air targets. CAMM is currently in full scale production for the UK MOD to deliver the Sea Ceptor ship based air defence system that will equip the Royal Navy Type 23 and future Type 26 frigates. The same CAMM missile will form the core of the land based air defence capability for the British Royal Artillery.

CAMM has an active RF seeker that provides true all-weather performance with excellent clutter rejection capabilities. There is no need for dedicated complex and high-cost fire control/illumination radars.

The lightweight missile is highly agile with a high-lethality warhead and advanced fuzing package, giving a high probability of kill against a wide threat set.

The benefits of using a common solution for multiple platforms and services include:

- Common components can be used to create a modular weapon system
- Broad target set including high speed, manoeuvring, low signature targets in high level countermeasure environments
- Can be used with a variety of surveillance sensor systems
- Command and Control system common to all surface deployments
- Cost benefits of sharing missile stockpiles between the Army and Navy
- Affordability due to low procurement and through-life costs

- **High rate of fire against multiple simultaneous targets**
- **Soft Vertical Launch technology for minimum launch signature and high performance**
- **Compact missile allows for multiple weapons fit in limited spaces**
- **Compatible with any surveillance sensor for targeting**
- **Vertical launch enabling 360° coverage in all launch sectors**
- **Wide air target set plus the ability to engage small naval surface craft**
- **All-weather active RF seeker**
- **Two-way data link between the missile and launcher**
- **Designed for third party targeting**
- **Minimal logistics support and maintenance required**
- **In UK service 2017**

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MISSILE SYSTEMS

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LAND, SEA

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Maritime

The CAMM munition will replace the current in-service weapon in 2017 as the Royal Navy's latest ship based air defence system. Known as Sea Ceptor it will be fitted to the Royal Navy's Type 23 Frigates and will deliver significantly greater capability at a reduced cost in all operating environments than alternative systems.
Sea Ceptor can operate from the SYLVER and Mk41 launchers using a quad-pack configuration to maximise packing density and for optimum installation on smaller ships. The Soft Vertical Launch technology reduces system weight and provides flexible installation. The weapon's Command and Control system is designed to be integrated into new or existing naval combat systems.

A dedicated tracking radar is not required with Sea Ceptor as the weapon is able to use data provided by the ship's surveillance radar, saving significant acquisition and support costs.

Land

The CAMM munition offers land based forces a highly effective and easily deployable, local area air defence system, as part of the Enhanced Modular Air Defence Solutions (EMADS), capable of operating as either a stand-alone unit or integrated within a battle space network. The use of third party target information from the wider battle space network allows the system to engage targets that are non line-of-sight from the local launcher or sensors.

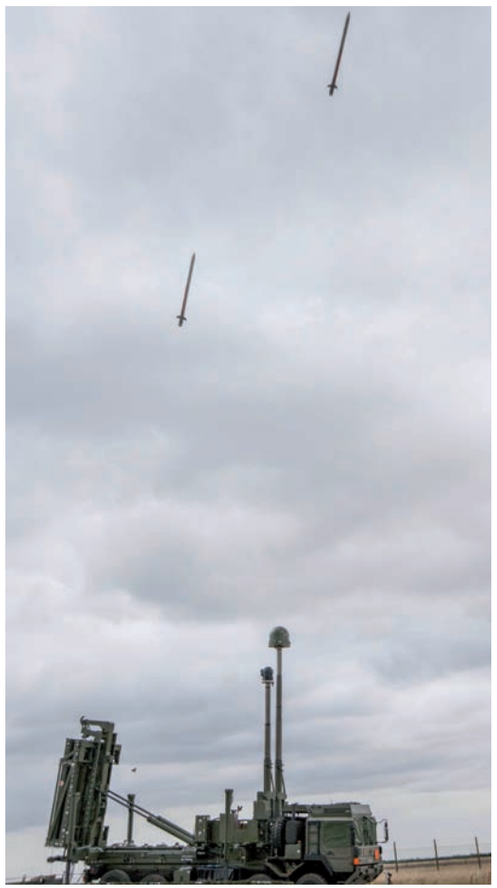
The light weight and compact designs allow multiple missiles to be carried by conventional wheeled vehicles. The soft launch technology provides a true 360° air defence capability and a weapon system that can be easily concealed and quickly deployed without the need for dedicated search radars. The UK's current in-service Rapier Ground Based Air Defence system is planned to be replaced by the CAMM based weapon and the Italian MoD SPADA to be replaced by the CAMM-ER based system.

Name

- **CAMM**

Missile characteristics

- **Weight: 99 kg**
- **Length: 3.2 m**
- **Diameter: 166 mm**
- **Range: In excess of 25 km**
- **Speed: Supersonic**



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