



MODULAR ASE PODS

– for Light Attack and Rotary-Wing Platforms



AH-64 DIRCM/MWS/CMS Pod



Archangel MWS/CMS Pod



Mi-24 MWS/CMS Pod

Modular ASE Pod solutions

Terma provides Modular Aircraft Survivability Equipment (MASE) Pods for installation of role-fit solutions for a wide range of light attack fixed-wing and rotary-wing platforms.

The Pods are a fixed housing to the complete sensor and countermeasures suite, including e.g. Directed IR Countermeasures (DIRCM) turret or chaff/flare dispensers (CMDS), electronics, Missile Warning System (MWS) sensors and Laser Warning System (LWS) in a small, lightweight, and rigid structure.

An installation comprises two Pods; one on each side of the aircraft. The Pods are mounted by either utilizing existing mounting provision for external stores or by mounting to existing aircraft hard-points.

For DIRCM configurations, the podded solution ensures precise, rigid sensor fits compared to installations with distributed sensors. Sensor alignment actions are eliminated – sensitivity to airframe deflection is minimized.

Cost-efficient

The cost-efficiency of a MASE pod installation is far superior to that of an alternative federated installation:

- Role-Fit Pods, with the costly DIRCM and/or MWS equipment fully shareable across aircraft fleet, lowers investments radically
- Supports roll-on/roll-off deployment of missionized configurations
- Minimal aircraft A-kit and modification and downtime
- Technology insertion by easy adaptation
- Pods are easily transferable between platforms, which means that investment is maximized across assets as required for specific operations and multiple platform types
- Pods are off-the-shelf
- Supports Tri-Service enterprise
- Low risk and proven solution for e.g. AH-64, EH-101, NH90, AS550 and Archangel



Protection

Infra-Red Man-Portable Air Defense Systems (IR MANPADS) pose lethal, prolific threats as they are inexpensive, easily portable, available worldwide, and used with devastating effects for over 40 years in military conflicts and by terrorists.

Protection against MANPADS with a high-power, multiband laser DIRCM system or more traditional Countermeasure Dispenser Systems is required. The challenge: To provide all-round IR Countermeasures protection for a vast range of aircraft types, using a single application.

Terma has delivered 2,500+ combat-proven ASE installations, including mounting structures, for 25+ aircraft types, both rotary and fixed wing.

Solution

The MASE Pods solution provides a robust, all-aspect protection from every angle of attack. It benefits from being an entirely modular housing that enables flexible combinations of sensors and effectors from different suppliers.

By using proven structures, Terma ensure that cost efficiency and low risk integration is paramount. Our objective is to ensure that our customers and user community benefit from the latest technology at the lowest acquisition price, including through-life costs at a fraction of our competitors' systems. MASE Pods are a compelling solution.

Terma MASE Pods

A family of common and modular structures accommodating a wide range of sensor and countermeasure equipment – designed to be small, lightweight, and powerful while supporting all tactical aircraft types.

MASE Pod dimensions are 318 mm basic diameter and approximately 2,000 mm in length. The weight of the MASE Pod structure is approximately 25 kg, excluding cables, sensors, countermeasure equipment, and dispenser payloads.

