

# MIYSIS DIRCM

ELECTRONICS DIVISION

## DIRECTED INFRARED COUNTER MEASURE SYSTEM



One of the greatest threats to airborne platforms is that posed by Infrared Man Portable Air Defence Systems (IR MANPADS). These readily available missiles are inexpensive, highly portable and have been used lethally during the last 40 years in both military conflicts and by terrorist organisations.

MANPADS have become increasingly resistant to standard countermeasure such as decoy flares and, as such, the most effective defence from MANPADS is to directly attack them with a high power, multi-band, laser DIRCM system.

Modern MANPADS can engage low signature threats from any aspect, meaning that DIRCM systems must now provide all-aspect protection.

To counter this threat, the company, as a global leader in the development, manufacture and support of airborne laser and electro-optic systems, has developed the Miysis DIRCM System which provides high power, all-aspect protection against modern and legacy threats. The Miysis DIRCM System is in full production and is flying operationally.

Miysis DIRCM builds upon Leonardo's unparalleled experience in delivering over 2500 DIRCM pointer/trackers for the protection of over 50 rotary and fixed wing platform types.

The baseline is the twin-head System as a single head DIRCM does not provide the necessary level of spherical protection to defeat the advanced threat. A three-head System is also available if required for coverage on large platforms with high-value missions.

The Miysis DIRCM System has market-leading size, weight and power characteristics with no compromise of its proven self-protection jamming capability. The design utilises the latest open architecture concepts, which allow it to be installed on an aircraft as a stand-alone DIRCM or integrated as part of a Defensive Aids System.

The System is small enough to be fitted to a lightweight helicopter and has the Energy-on-Target to protect a widebodied transport aircraft. No other DIRCM supplier delivers this level of combined, next-generation, capability in a readily-exportable package.

## PRINCIPAL FEATURES

- › Market-leading size, weight and low power demand
- › Readily-exportable, Multi-band IRCM
- › All-aspect coverage and exceptional response speed
- › Open architecture and fully compatible with any DIRCM- capable UV or IR Missile Approach Warners
- › Laser directly coupled and alignment free
- › Highly reliable and low-maintenance

## CAPABILITY BENEFITS

- › Ideal for any platform – single solution for helicopters and fixed wing aircraft
- › Dependable, persistent and proven protection from modern IR-guided missiles
- › Ability to defeat multiple/advanced threats including very short range and multiple missile firings
- › Flexible aircraft installation options, either as stand-alone operation or as part of a Defensive Aids System
- › Exceptionally high laser Energy-on-Target
- › Low through life cost and support requirements



## INTEGRATED LASER POINTER TRACKER

- › Weight: <16kg
- › Dimensions (W x L x H): 183mm x 270mm x 341mm
- › Power Consumption: Typical 190W, Maximum 535W

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MM08221 09-19