

# InShield DIRCM System

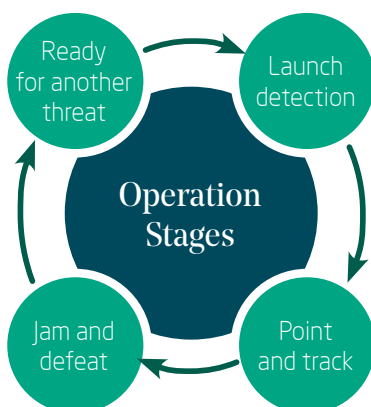


Indra's InShield is a laser based Directed InfraRed Counter Measure (DIRCM) system for aircraft protection against IR guided missiles

The operation is triggered by the detection of the incoming missile and full protection is provided with the emission of a laser beam that deviates the missile

Indra's InShield is an autonomous system that can be easily installed as a stand-alone solution or integrated as part of a new or existing EW self protection suite

Multi-threat capability with library programmed techniques



## The Threat

MANPADS (Man Portable Air-Defence Systems) and IR guided missiles represent the major threat for rotary and fixed wing aircrafts in conflict scenarios. All countries in the world hold this kind of missiles in their inventories. Moreover, most significant terrorists and uncontrolled groups also possess them since they are often traded in the black market.

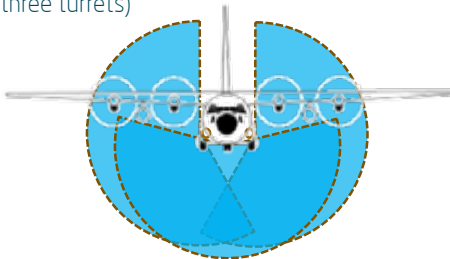
## Key Facts

- State-of-the-art technology.
- Demonstrated in real missile fire international trials.
- Demonstrated in operational flight tests in CH47 Chinook.
- Contracted by OCCAR for A400M ES fleet.
- ITAR free.
- Indra proprietary technology.

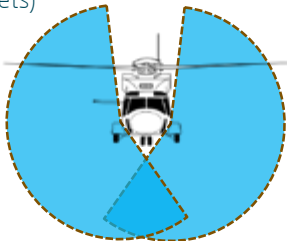


# Indra, specialist in Aircraft Survivability

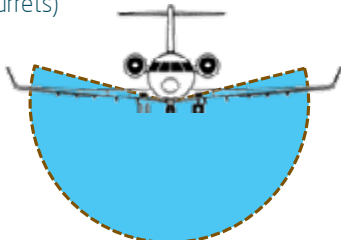
## Enhanced protection (three turrets)



## High protection (two turrets)



## Basic protection (one turret)



## Product Installation

Different system architectures can be integrated, using one, two, or up to three turrets per aircraft.

InShield DIRCM system installation kit can be tailored to fit any rotary or fixed-wing platform requirements.

Installation is possible inside the fuselage or in an external removable pod/container.

## The System

InShield ultimate technology for aircraft protection, fully developed by Indra, is now in series production phase.

## Product Characteristics Features

- Modern Open-Architecture based on Jamming Laser Turrets and one Central Processor.
- High Power Multispectral Laser.
- Protection against multiple simultaneous threats.
- Optimized Response Time.
- Full hemispherical coverage in each turret.
- Effectiveness against western and eastern missiles.
- Optimized size and weight.



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