



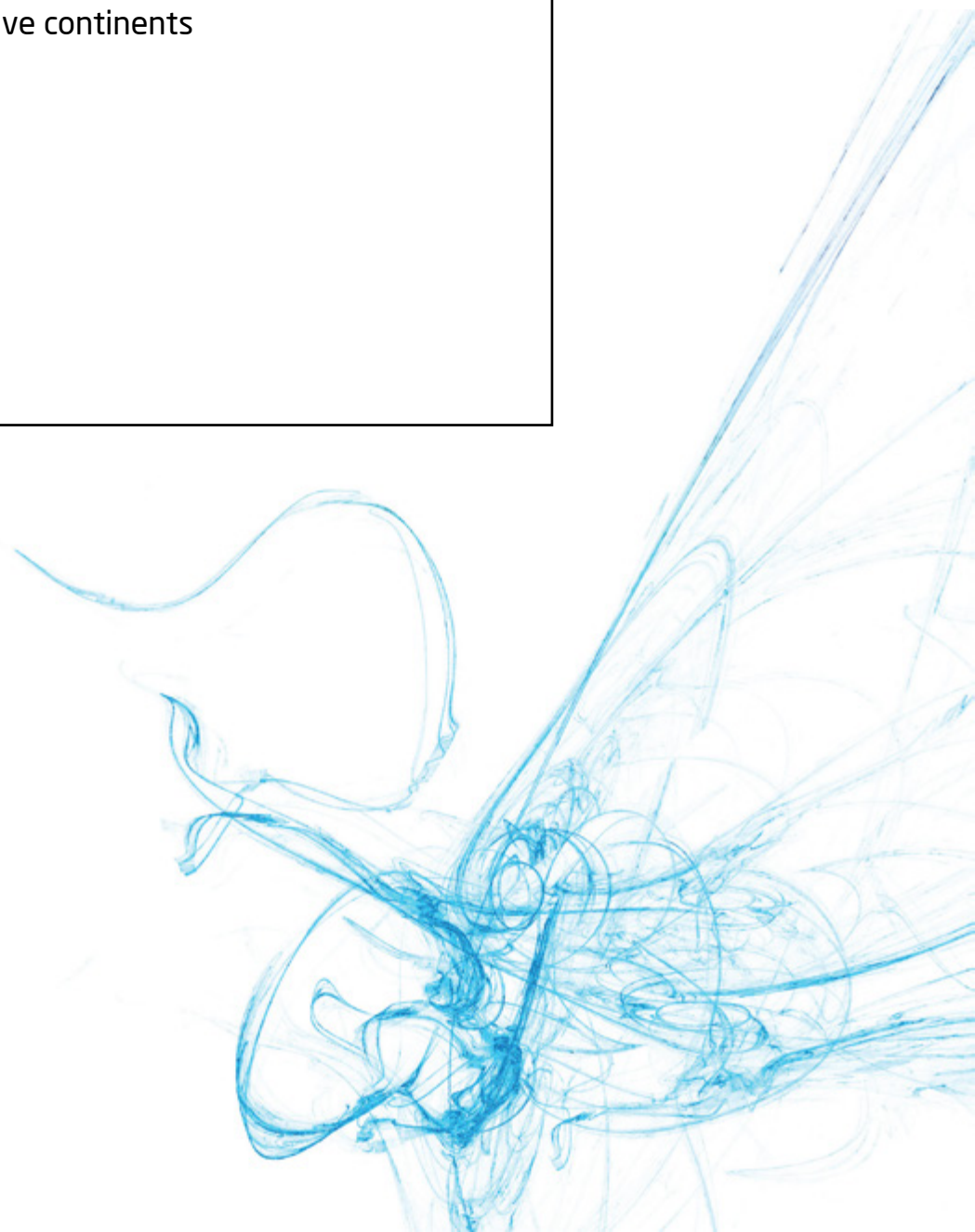
**indra**

DEFENSE AND SECURITY

# InShield DIRCM System

Defense and Security in five continents

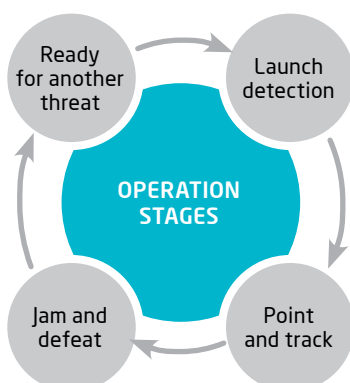
[indracompany.com](http://indracompany.com)



# InShield DIRCM System



Indra InShield is a laser based Directed InfraRed Counter Measure (DIRCM) system for aircraft protection against IR guided missiles. The protection starts with the detection of the missile launching and finalizes with the emission of a laser beam that deviates the missile. Indra 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.



## THE THREAT

MANPADS (Man Portable Air-Defense 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.

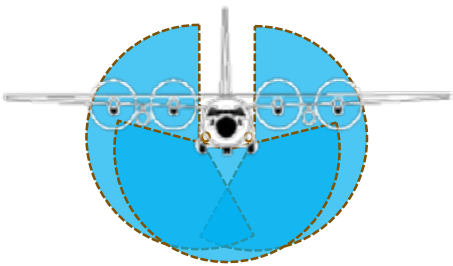
## SYSTEM MATURITY AND EXPERIENCE

- State of the art technology.
- Demonstrated in real missile fire international trials in 2014.
- ITAR free.
- Indra proprietary technology.

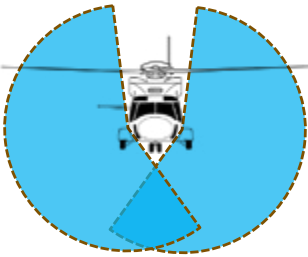
## PRODUCT INSTALLATION

Different standards of protection can be achieved using one, two, or up to three turrets per aircraft.

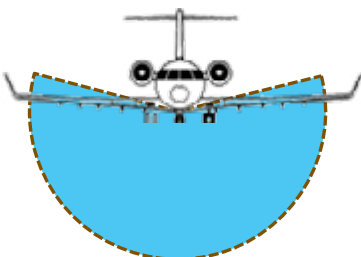
### ENHANCED PROTECTION (three turrets)



### HIGH PROTECTION (two turrets)



### BASIC PROTECTION (one turret)



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

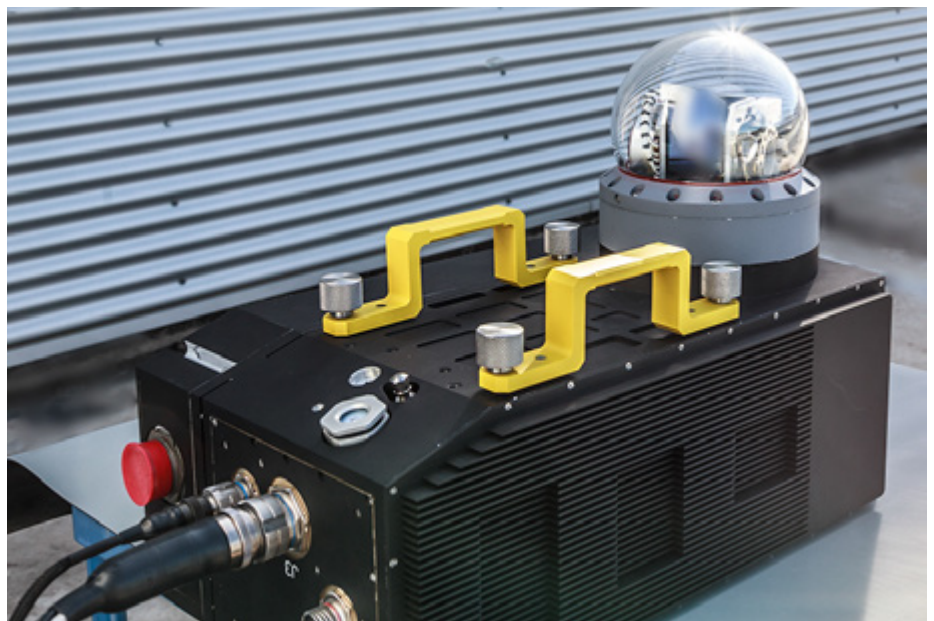
Installation is possible inside the fuselage or in an external removable pod/container.

## PRODUCT CHARACTERISTICS

- 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.

## THE SYSTEM

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



INDRA, SPECIALISTS IN  
AIRCRAFT SURVIVABILITY



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