



## HELICOPTER INTEGRATED DEFENSIVE AIDS SYSTEM

The Helicopter Integrated Defensive Aids System (HIDAS) utilises multi-spectral sensors and pre-loaded intelligence to produce comprehensive tactical pictures of the operating environment. The system offers optimum self-protection by rapidly identifying hostile weapon systems and initiating appropriate tactics and countermeasures.

HIDAS is a suite of products which can be scaled to meet the requirements of every helicopter platform.

Components of HIDAS include:

- Radar warning receiver
- Laser warning receiver
- Missile warning system
- Countermeasures dispensing system
- Defensive aids system controller
- Directional infra-red countermeasures (optional)
- Radio Frequency countermeasures (optional)
- Electronic warfare operational support facilities.

### KEY BENEFITS

- Advanced integrated defensive aids system tailored for helicopters
- Rapidly detects, identifies, prioritises and counters threats to helicopters, without the need for crew intervention
- Greatly enhances helicopter survivability, even in dense threat environments
- Long term, cost effective electronic warfare solution for helicopter.



## INTEGRATED

The high level of integration between the HIDAS sensors and countermeasures provides increased survivability in hostile threat environments. Integrated sensor systems enhance the tactical awareness of the crew. Integration into the aircraft mission system optimises a co-ordinated response to threatening weapon systems.

## RAPID REACTION

HIDAS has an optimised sensor architecture to ensure rapid reaction to helicopter threats. The crew has the ability to adopt manual, semi-automated or fully automated response modes. The system initiates optimal countermeasures to individual threat systems whilst also taking into account the dynamics of the host aircraft.

## USER PROGRAMMABLE

HIDAS utilises mission specific data entered by the user at the flight line. Independent electronic warfare (EW) data ownership and management is crucial for achieving national independence from equipment suppliers and foreign nations. Proprietary operational support tools allow the user to prepare and analyse mission data.

## INTELLIGENT

HIDAS is a knowledge-based system that processes detected signals to produce real-time intelligence for aircrew. The intelligence recorded by HIDAS during a mission can be quickly downloaded and analysed on the operational support tools.

## IDENTIFICATION

The ability to reference intercept data against comprehensive threat emitter and weapons system libraries means detected threats can be uniquely identified. The continual referencing of live data allows threat systems to be prioritised, providing the crew with a comprehensive tactical picture of the EW environment.

## SCALABLE

At the core of HIDAS is a smart suite controller. This allows configuration to meet the requirements of all helicopter platforms through scaling the sensor capability and incorporating appropriate advanced countermeasure systems.

## OPERATIONAL

HIDAS has completed several years of development, followed by extensive testing and trials on airborne platforms. The system is in full operational service in a variety of roles providing the benefits of enhanced situational awareness, reduced crew workload and enhanced platform protection in today's demanding and ever-changing battlefield.

