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## **SELEX Galileo Self protection capability background information**

SELEX Galileo is a leading global player in defence electronics. SELEX Galileo's self protection technologies are combat proven and evident across a range of fixed and rotary wing platforms worldwide, most notably the Eurofighter Typhoon and AH-64D Apache helicopter.

The Company is committed to delivering accurate and reliable systems that see, hear and feel the situations in which users operate, enabling them to react in an effective and timely manner to keep themselves and those they are protecting out of harm's way.

SELEX Galileo embraces a long line of distinguished companies, including GEC-Marconi, Ferranti, Galileo Avionica, Fiar, Meteor and Officine Galileo.

SELEX Galileo continuous to develop and strengthen its self protection offering, reinforcing its market leading position by working closely with customers and end users.

### SELEX Galileo to lead UK MOD CDAS TDP

In February 2010, the UK MOD awarded SELEX Galileo a 4 year contract to lead the Common Defensive Aids System (CDAS) Technology Demonstrator Programme (TDP) in support of the UK strategy for air platform protection.

Under the TDP, SELEX Galileo will provide a coherent cross platform approach to both acquisition and support of defensive aids suites for both new build and legacy helicopters.

SELEX Galileo will deliver a flexible, open DAS architecture allowing it to be adapted platform and role specific configurations, whilst facilitating the ease of future upgrade and enhancement as operational requirements or obsolescence dictate. In parallel, the CDAS TDP programme will address the UK MOD's need for cost effect solutions whilst emphasising the requirement to retain operational sovereignty.

The TDP will demonstrate CDAS capabilities, building on existing legacy equipment alongside the integration of additional new sub-systems, with resulting capabilities proved via bench and flight trials.

The CDAS TDP strengthens SELEX Galileo's position at the heart of the UK MOD's future Air Platform Protection strategy, whilst providing scope for further development of relationships with cooperating industry partners.

### SELEX Galileo: Project Baker equipped aircraft released for service

Following SELEX Galileo's participation in Project Baker, a UK MOD Urgent Operational Requirement (UOR), the Company has been awarded contracts in excess of £10 Million for

provision of Integrated Defensive Aids Systems (DAS) for RAF MkII and MkIII Chinook Helicopters.

The Baker solution utilises existing EW equipment alongside a new Multi Function Display (MFD), benefiting from control and threat co-ordination achieved via application of SELEX Galileo's HIDAS - derived DAS controller. Under the Project Baker configuration the SELEX Galileo DAS controller co-ordinates threat data and accompanying sensory information to provide the aircraft crew with a combined threat and status picture via the MFD.

The Project Baker DAS solution has now been formally released into service, and has set a benchmark under UK MOD Rotary Wing DAS strategy.

#### SELEX Galileo invests to support US Army and International AGP deliveries

The first 12 Aircraft Gateway Processor (AGP) units have been shipped from SELEX Galileo Inc. (Huntsville, Alabama) to Boeing (Mesa, Arizona) for installation on US Army and International Block II and Block III AH-64D Apache helicopters.

The AGP provides its users with a gateway to integrated Aircraft Survivability Equipment (ASE) and enhanced situational awareness and will now be produced in Huntsville for all Apache customers. To further develop the existing facility in Huntsville, SELEX Galileo has continued to invest to upgrade production and test facilities. An additional 150 units will now be delivered throughout 2010/2011 with follow on orders expected in the coming years. The first AGP equipped Apache helicopters are expected to enter service with the U.S. Army later in 2010.

#### SEER Digital RWR

SEER, SELEX Galileo's next generation RWR utilises the latest digital receiver technology to detect and counter the RF threats prevalent in modern day fixed-wing operational environments. Via the exploitation of established SELEX Galileo digital and microwave electronic technology, SEER achieves heightened sensitivity and processing power, affording the aircraft and aircrew enhanced survivability and increased probability for mission success.

SEER is currently undergoing flight trials with a number of international customers' fixed-wing aircraft, and is seen as either a form and fit replacement for the SG200 RWR, or a solution for platform upgrade and new build.

#### Continued development of a dedicated EWOS facility in Lincoln

Effective application of EW systems in the modern day operational environment requires high level, complex mission dependant data. SELEX Galileo has ensured availability via the establishment of a specialised Lincoln-based EWOS facility, dedicated to the delivery of operational support for EW systems.

Located at Alpha Court, Lincoln, the 1100m squared facility's proximity to RAF operational flying units and the UK's Air Warfare Centre allows close, reactive support for UK operations, whilst also permitting segregated, secure facilities for use by International Customers

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