

## **UK Maritime and Coastguard Agency to get latest radar technology from Leonardo**

- **Aviation services company 2Excel, which supplies customized Beechcraft King Air aircraft to the UK Maritime and Coastguard Agency (MCA), has contracted with Leonardo to upgrade the aircraft with advanced new Osprey 30 E-scan radars**
- **The MCA currently operates Leonardo's Seaspray 7300E E-scan radar, which has proven highly effective during search and rescue (SAR) and border protection missions**
- **Leonardo is a world leader in E-scan radar technology and has pioneered its use in surveillance radar applications. It has 30 customers internationally including the US Navy**

**Rome, 21 May 2020** – The UK Maritime and Coastguard Agency (MCA) will upgrade to Leonardo's latest Osprey radar to support missions such as search and rescue, border protection, fishery and pollution patrols. The Osprey 30 radar will be installed on-board the two customised Beechcraft King Air aircraft provided to the UK MCA by UK-based aviation services company 2Excel.

Currently, the UK MCA is operating Leonardo's Seaspray 7300E radar, which has been employed to great effect in support of regular fishery and pollution patrols around the UK. The radar comes equipped with Leonardo's patented small target detection capability, allowing it to spot shipwrecked individuals in the water at long range, even in the most difficult environmental conditions and sea states. Additionally, the radar provides the ability for MCA crews to identify oil spills and rogue polluters at very long range, day or night.

2Excel will build on this success by equipping the MCA King Airs with Leonardo's second generation Osprey radar, the latest entry in its range of E-scan surveillance radars. Osprey benefits from all of the capabilities of the Company's Seaspray family whilst also adding additional modes and optimized overland and coastal imaging capabilities. This makes the radar ideally suited to mixed environment operations, such as along the coast.

Traditionally, coastguard aircraft have used radars with restricted fields of view and limited detection capabilities, making searches laborious and resource-intensive. Leonardo's radars solve these problems. The Company is a world leader in E-scan, also known as AESA (Active Electronically-Scanned Array) technology, which uses a matrix of hundreds of tiny radar modules to 'steer' an electronic beam, rather than mechanically moving the radar to point at a target. With a Leonardo E-Scan radar, crews can lift off, scan in 360 degrees and almost-instantaneously detect, track and classify hundreds of maritime contacts, allowing crews to quickly task cooperating aircraft to deeply search an area of interest. Other E-scan advantages include extremely high reliability, as the radar can continue to operate effectively throughout a mission even if a number of its individual radar modules fail. Customers in 30 countries have selected Leonardo's E-scan radars including the Seaspray and Osprey families, with the US Navy procuring the Osprey 30 radar for its Fire Scout unmanned helicopter programme.

**Leonardo**, a global high-technology company, is among the top ten world players in Aerospace, Defence and Security and Italy's main industrial company. Organized into five business divisions, Leonardo has a significant industrial presence in Italy, the United Kingdom, Poland and the USA, where it also operates through subsidiaries such as Leonardo DRS (defense electronics), and joint ventures and partnerships: ATR, MBDA, Telespazio, Thales Alenia Space and Avio. Leonardo competes in the most important international markets by leveraging its areas of technological and product leadership (Helicopters, Aircraft, Aerostructures, Electronics, Cyber Security and Space). Listed on the Milan Stock Exchange (LDO), in 2019 Leonardo recorded consolidated revenues of €13.8 billion and invested €1.5 billion in Research and Development. The Group has been part of the Dow Jones Sustainability Index (DJSI) since 2010 and became Industry leader of Aerospace & Defence sector of DJSI in 2019.