

Edinburgh, 11 July 2008  
Ref 09/2008

SELEX Galileo's PicoSAR flies on the CAMCOPTER® S-100 UAV

SELEX Galileo and Schiebel Elektronische Geraete GmbH are delighted to announce the first flight of a PicoSAR radar-equipped CAMCOPTER® S-100 UAV. This adds a compact radar capability to the successful CAMCOPTER® S-100 UAV, giving it an all weather, long range ground mapping and moving target indication capability.

After a week of installation and integration activities, PicoSAR flew successfully on the 30<sup>th</sup> June near the Schiebel production facility in Wiener Neustadt, Austria. The trial focused on the Synthetic Aperture Radar capability of the PicoSAR and enabled the mapping of the surrounding area. The CAMCOPTER® S-100 operated at altitudes up to 3,000ft and PicoSAR was controlled via the datalink from the ground with imagery transmitted successfully back to the ground station.

This is a significant achievement and SELEX Galileo is delighted to have made the transition from operating the radar on manned platforms to this leading edge UAV.

"UAVs are here to stay", said Norman Bone, Senior Vice President Radar and Advanced Targeting, SELEX Galileo "and adding sensors like PicoSAR will vastly increase their utility. We are really pleased to have achieved this significant milestone in the PicoSAR's development with Schiebel, as the CAMCOPTER® S-100 is clearly a leader in this class of Tactical VTOL UAVs".

"The PicoSAR is a radically different sensor, bringing the benefits of E-Scan radar to UAVs like ours." said Hans Schiebel, Managing Director, Schiebel, "The CAMCOPTER® S-100 is generating a great deal of interest around the world, and we see the addition of this long range, wide area, all weather surveillance capability as a real discriminator, particularly as its size and weight enables the installation and operation of an EO/IR system at the same time. The CAMCOPTER® S-100 is a 21st Century platform, and successfully bringing it together with the 21st Century PicoSAR sensor capability will deliver real advantage to our customers."

#### **Notes to Editors**

##### **PicoSAR:**

The PicoSAR radar provides an all weather, day and night high resolution Synthetic Aperture Radar (SAR) imaging capability coupled with the detection of ground moving vehicles. PicoSAR is a lightweight, low volume sensor designed for easy installation onto a wide range of platforms, typically lightweight tactical Unmanned Aerial Vehicles (UAV) as well as fixed and rotary wing aircraft. The PicoSAR design and functionality make it an ideal sensor for battlefield surveillance applications and for the SELEX Galileo tactical UAS Falco.

##### **About SELEX Galileo;**

SELEX Sensors and Airborne Systems Limited and Galileo Avionica SpA now operate internationally as a single company, within Finmeccanica, known as SELEX Galileo. SELEX Galileo provides world class capabilities in surveillance, protection, tracking, targeting, avionics and imaging systems.

Continues

**About Schiebel:**

Founded in 1951, the Vienna-based Schiebel Group of companies focuses on the development, testing and production of state-of-the-art mine detection equipment and the acclaimed CAMCOPTER® S-100 Unmanned Aerial Vehicle System. Schiebel has built an international reputation for producing quality defence and humanitarian products, which are backed by exceptional after-sales service and support. All products are quality controlled to meet ISO 9001 standards. With headquarters in Vienna, Austria, Schiebel now maintains production facilities in Wiener Neustadt, Austria, and Abu Dhabi, UAE, as well as offices in Warrenton, VA, USA, and Phnom Penh, Cambodia.

**About the CAMCOPTER® S-100:**

Schiebel's latest CAMCOPTER® S-100 UAV System has been developed to carry various sensors for both military and civilian applications. The Aerial Vehicle is launched automatically via Vertical Takeoff and Landing (VTOL), eliminating the need for a prepared area or additional launch and recovery equipment. It navigates via pre-programmed GPS waypoints, or can be operated manually through a simple, yet highly stable, flight control system. The S-100, like its predecessor, is capable of landing on helicopter deckequipped ships without the use of additional landing equipment. Its AV fuselage is a carbon fibre monocoque providing maximum capacity for a wide range of payload/endurance combinations. In a standard configuration, the AV is capable of carrying a 55 lbs payload for up to 6 hours.

**For further information:**

**Press officer: Donna McGrory**

Tel.: +44 (0) 131 343 5115

Mob. +44 (0) 7793 423082

email: [donna.mcgrory@selexgalileo.com](mailto:donna.mcgrory@selexgalileo.com)

**Press office: Solange Distefano Pozzuoli**

Tel: +39 06 41883852

Mob. +39 335 7499374

email: [solange.distefanopozzuoli@selexgalileo.com](mailto:solange.distefanopozzuoli@selexgalileo.com)