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SCHIEBEL CAMCOPTER® S-100 SUCCESSFULLY DEMONSTRATES NEW RADAR CAPABILITY IN CANADA

Vienna, 10 December 2024 – Schiebel, in collaboration with MDA Space, has successfully demonstrated IMSAR's NSP Synthetic Aperture Radar (SAR) with Ground and Maritime Moving Target Indication (GMTI and MMTI) capabilities during a one-week intensive trial at the Foremost UAS Test Range in Western Canada.

The successful integration of the IMSAR NSP radar system to the CAMCOPTER® S-100 was completed ahead of schedule, with all radar electronics housed within the antenna pod. The radar's installed software allows for seamless mission planning, enabling the operator to upload radar flight plans directly to the S-100 platform.

During the trial, the fully integrated system showcased its unique capabilities during both day and night operations out to ranges exceeding 100 nm. The S-100, equipped with the IMSAR NSP radar, Wescam's MX-8 EO/IR sensor, a GPS Anti-Jam System and an Automatic Identification System (AIS), successfully conducted a series of simulated land and maritime tasks. The system provided high-resolution SAR imagery, as well as Ground Moving Target Indication (GMTI) detections and tracks, all while demonstrating its versatility in challenging weather conditions. This capability highlights the IMSAR radar as a key sensor, enhancing the platform's performance and situational awareness in complex operational environments.

"The integration of IMSAR's radar with the S-100, in combination with a powerful EO/IR, significantly expands the platform's surveillance and detection capabilities, allowing for wide-area coverage at impressive distances in all weather conditions," said Neil Hunter, Head of Global Sales for Schiebel. "This trial underlines the continuing operational effectiveness of the CAMCOPTER® S-100 as a multi-sensor platform, capable of delivering actionable intelligence in real-time, day and night."

About Schiebel:
Founded in 1951 in Vienna, the globally operating Schiebel Group focuses on the development, design and production of the revolutionary CAMCOPTER® S-100 Unmanned Air System (UAS). Certified to meet AS/EN 9100 standards, Schiebel has built an international reputation for producing high-tech military, commercial and humanitarian products, which are backed by exceptional after-sales service and support. Schiebel has facilities in Vienna and Wiener Neustadt (Austria), Toulon (France), Manassas, VA (USA), Abu Dhabi (UAE), and Shoalhaven (Australia).

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About the CAMCOPTER® S-100:
Schiebel's CAMCOPTER® S-100 Unmanned Air System (UAS) is an operationally proven capability for military and civilian applications. The Vertical Takeoff and Landing (VTOL) UAS requires no prepared area or supporting equipment to enable launch and recovery. It operates by day and by night, under adverse weather conditions, with a beyond line-of-sight capability out to 200 km / 108 nm, over land and sea. Its carbon fiber and titanium fuselage provides capacity for a wide range of payload/endurance combinations up to a service ceiling of 5,500 m / 18,000 ft. In a typical configuration, the CAMCOPTER® S-100 carries a 34-kg / 75-lbs payload up to 10 hours and is powered with AVGas or JP-5 heavy fuel. High-definition payload imagery is transmitted to the control station in real time. In addition to its standard GPS waypoint or manual navigation, the S-100 can successfully operate in environments where GPS is not available, with missions planned and controlled via a simple point-and-click graphical user interface. The high-tech unmanned helicopter is backed by Schiebel's excellent customer support and training services.

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