

January 27, 2010

NEW PRODUCTS & PROGRAMMES



Eurofighter Typhoon

- **Fighter radar update**
- **ELBIT SYSTEMS**
Successful maiden flight for the HERMES 900 UAS
- **L-3 ELAC NAUTIK GMBH**
Australian Air Defence Destroyer receive underwater communications suite
- **RAFAEL**
Mini-Spike – smallest member of Rafael's electro-optically guided missiles
- **SCHIEBEL**
CAMCOPTER S-100 tested for in-theatre psychological operations missions

SCHIEBEL ELEKTRONISCHE GERÄTE

CAMCOPTER S-100 tested for in-theatre psychological operations missions

On 16 December 2009, Schiebel conducted, in cooperation with Boeing, a demonstration for the US Army Special Operations Command (USASOC) at Ft. Bragg, North Carolina, integrating the CAMCOPTER® S-100 and ground unmanned systems for psychological operation missions in-theatre. A USASOC and Boeing-led team, including also John Deere Company, Trident, Inc. and American Technologies Corporation, assembled a group of unmanned platforms and capabilities to perform a psychological operations (PsyOps) mission demonstration. The CAMCOPTER® S-100 was equipped with an American Technologies Corporation loudspeaker capable of addressing crowds at a distance of up to 2 kilometres, a leaflet drop capability, as well as an IAI POP300 EO/IR camera payload. The John Deere R-Gator Unmanned Ground Vehicle (UGV) was also equipped with a loudspeaker augmented with the Trident, Inc. data link, demonstrating the potential for teaming UGVs with an UAS. The psychological operation mission at a mock-up city training facility at Ft. Bragg, simulating in-theatre conditions, was aimed at minimizing civilian unrest and preventing civilian casualties while apprehending a suspected terrorist cell. The unmanned aircraft was utilized to survey the area and provide real-time aerial intelligence, as well as to address the public and drop information leaflets.



The CAMCOPTER® S-100 UAS is a proven capability for military and civilian applications. The vertical takeoff and landing (VTOL) UAS needs no prepared area or supporting launch or recovery equipment. It operates day and night, under adverse weather conditions, with a beyond line-of-sight capability out to 200 kilometres, both on land and at sea. The S-100 navigates via pre-programmed GPS waypoints or is operated with a Pilot Control Unit. Missions are planned and controlled via simple point-and-click graphical user interface and high definition payload imagery is transmitted to the control station in real-time. Using fly-by-wire technology controlled by a triple-redundant flight computer, the UAS can complete its mission automatically. Its carbon fibre and titanium fuselage provides capacity for a wide range of payload/endurance combinations up to a service ceiling of over 5,000m and, in the standard configuration, carries a 38kg payload for over 6 hours.

Schiebel