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## Schiebel CAMCOPTER Approaches Manned-Unmanned Teaming Operations



Schiebel and Patria have been working together to integrate Patria's sophisticated Compact Airborne Networking Data Link (CANDL) communication network onto the CAMCOPTER S-100 Unmanned Air System (UAS).

The two European companies' joint effort is the first step of an ongoing program of work examining how the CAMCOPTER S-100 can be deployed to directly support manned helicopter operations.

Patria's CANDL provides a solid backbone to explore the benefits of Manned-UnManned Teaming (MUM-T) operations, where the combined strengths of each air asset can be optimized to increase overall situational awareness and enhance decision making.

As Schiebel's Chief Technical Officer Chris Day points out, "using the unmanned element of a MUM-T operation to provide both the forward and higher altitude view will help to keep pilots and the manned assets safe as well as improve overall mission effectiveness."

### **About Schiebel:**

Founded in 1951, the Vienna-based Schiebel Group focuses on the development, testing and production of state-of-the-art mine detection equipment and the revolutionary CAMCOPTER® S-100 Unmanned Air System (UAS). Schiebel has built an international reputation for producing quality defense and humanitarian products, which are backed by exceptional after-sales service and support. Since 2010, Schiebel's composite division supplies high-tech customers with products of supreme carbon fiber technology – all 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 Washington DC (USA) and Phnom Penh (Cambodia).

### **About Patria:**

Patria is a trusted provider of defense, security and aviation life-cycle support services and technology solutions. Patria is owned by the State of Finland (50.1%) and Norwegian Kongsberg Defence & Aerospace AS (49.9%). Versatile duties employ today some 2 800 skilled professionals.

[www.patria.fi](http://www.patria.fi)

### **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 in day and night, under adverse weather conditions, with a beyond line-of-sight capability out to 200 km, 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 18,000 ft.

In a typical configuration, the CAMCOPTER S-100 carries a 75 lbs/34 kg 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.