

German Police Patrols North Sea for Ship Emissions



Schiebel, June 01, 2023 - Vienna – Schiebel, under contract to the European Maritime Safety Agency (EMSA), is providing ship emission monitoring for the German Federal Police and Federal Maritime and Hydrographic Agency using the proven CAMCOPTER® S-100 Unmanned Air System (UAS).

Embarked on board the patrol vessel “Bamberg”, the S-100 is being employed, day and night, to monitor commercial ship emissions within the German Exclusive Economic Zone (EEZ) in the North Sea.

In addition, the UAS will support a variety of other maritime surveillance tasks, such as vessel traffic monitoring, maritime law enforcement patrols in German territorial waters, environmental protection and when called upon, supporting Search and Rescue (SAR) missions.

In its primary task of measuring ships’ sulphur emissions in the busy shipping lanes, the S-100 is able to check compliance with the EU rules governing the sulphur content of marine fuels, in real time. Measurements are transmitted whilst airborne through to the EMSA RPAS Data Centre and then on to the relevant authorities.

Hans Georg Schiebel, Chairman of the Schiebel Group, said: “By measuring the sulphur emissions and gathering data of ships that do not adhere to the International Maritime Organisation’s (IMO) environmental regulations, we are playing a vital role in helping to ensure the sustainability of our ecosystem. We are proud that the S-100 UAS is proving to be a valuable asset in this endeavour.”

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.

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), Manassas, VA (USA), Abu Dhabi (UAE), and Shoalhaven (Australia).