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48th PARIS AIR SHOW
from 15 to 21 Juin 2009

Exhibitor No:	**FOR IN FLIGHT:** ☑ **OR STATIC:** ☐ **DISPLAY**	Show No 7

Attention: Requested information will be used by the official Airshow speakers

As well as providing information for the press office, this document will be used as a basis for the official commentaries.
Exhibitors should therefore indicate the technical data and commercial information requested, as well as any other information they would like to transmit to the public during the flight program.

MANUFACTURER:	*SCHIEBEL*
AIRCRAFT TYPE AND NAME:	*Camcopter S100*
CATEGORY:	*UAV*
COUNTRY:	

FIRST FLIGHT:	**DISPLAY CREW:**
Date: **Location:**	*1) Michael Gloetzer et Christof Greile*
Crew:	*2 Christof Greile et Markus Winhoffer*

ENGINE(S):

Number:	*1*	**Type:**	*AE50 rotating engine*
Manufacturer:	*Wankel-Diamond*		
Take off rating (Dry):	*55 shp*	**With reheat:**	
Propeller(s):			

TECHNICAL DATA:		**COMMERCIAL INFORMATION:**	
Empty weight:	*243 lb*	**Prototypes (or pre-prod):**	
Max take off weight:	*441 lb*	**Firm orders:**	*200*
Max cruise speed:	*55 kts*	**Options:**	
Max operating speed:	*120 kts*	**Deliveries:**	
Stall speed:		**Production rate:**	
Max endurance:	*02:00*	**Number of clients:**	*3*
Max range:	*70 NM*	**Contact during the show:**	

ACCOMODATION:		**WEAPONS**
Accomodation:		
Max payload:	*110 lb*	

MISCELLANEOUS:

The Aérial Vehicle Camcopter S100 produced by Schiebel in Austria can complete its entire mission automatically, from take-off to landing, controlled by a triple-redundant flight computer based on proven flight control methods and algorithms. Redundant INS and GPS modules ensure precision navigation and stability in all phases of flight, ensuring that the payload is accurately positioned in accordance with its tasking. The onboard navigation computer is capable of storing and managing all waypoint commands, allowing continuous operation independent of the control station. The datalink receives control inputs from, and transmits position and payload data to the control station in real-time. Mission radius is dependent upon the user-specified ground antenna configuration, and payload weight. Camcopter S100 has been designed as a platform for a wide variety of payloads, and therefore no standard payload is offered, rather they are integrated according to customer requirements. The AV features two payload bays, side hard points and an internal auxiliary electronics/avionics bay. The primary payload bay, located directly beneath the main rotor shaft, is capable of mounting payloads weighing up to 100 lbs. Fixed-mounted daylight and/or infrared cameras provide the operator with situational awareness and orientation. The AV fuselage is a carbon-fibre monocoque, which gives a superior strength/weight ratio, providing maximum capacity for a wide range of payload/endurance combinations. In a standard configuration, the S100 is capable of carrying a 55 lbs payload for up to 6 hours. The AV is powered by a Wankel Diamond Engines AE-50R rotary engine.
Up to 200 Camcopters S100 has been ordered so far by three countries.