



# UAS LUNA

AIR RECONNAISSANCE  
AND SURVEILLANCE SYSTEM

PASSION FOR TECHNOLOGY.





Ground control station

## IN ACTION: **TRIED AND TESTED.** IN FOCUS: **THE FUTURE.**

The LUNA drone system for unmanned aerial reconnaissance is a sophisticated solution for real-time surveillance, detection and tracking.

It has proven itself in missions around the globe thanks to a flight time of 6 hours (optionally 8) and a range of >100 km, which can be increased by SatCom.

The drone can be launched via catapult in almost any terrain, offers numerous payload options and is a cost-effective, reliable choice for both military and civilian applications.

### **QUICKLY READY FOR USE AT ANY TIME.**

With its robust fiberglass composite construction and 40 kg take-off weight, the high-performance motor glider can be made ready for take-off by just a few personnel and silently launched into the air via the collapsible self-propelled catapult. Thanks to extensive automation, operation is extremely simple and requires no previous flying experience. The compact components of the ground station fit into cabins or small vehicles – which enables rapid relocation if required, e.g. by transport helicopter.



**LUNA – ready for action**

### **ALWAYS RELIABLE IN THE AIR**

Powered by a low-noise two-stroke twin-cylinder fuel-injected engine, the LUNA drone reaches a service ceiling of up to 5,000 metres. It impresses with reliable flight characteristics in every season and even in adverse weather conditions. A special feature is the driveless gliding flight with subsequent restarting of the engine. The drone can complete pre-programmed flight routes autonomously without signals from the ground station, alternatively it can be controlled remotely – also with the help of a relay

drone if, for example, the area of operation is in radio shadow. The drone lands autonomously via differential GPS in the net or via parachute.

### **WELL EQUIPPED FOR THE FUTURE**

Equipped with first-class optics, state of the art optics for pilot view and ground view, the drone transmits real-time images

and data. Additional payloads can be attached to the standard swivelling payload platform as required and for any purpose – whether thermal imaging, near-IR zoom cameras, SAR, EW payloads or numerous other sensor systems.

The LUNA system is already equipped for the latest developments in aerial reconnaissance – and thus a reliable investment in the future.

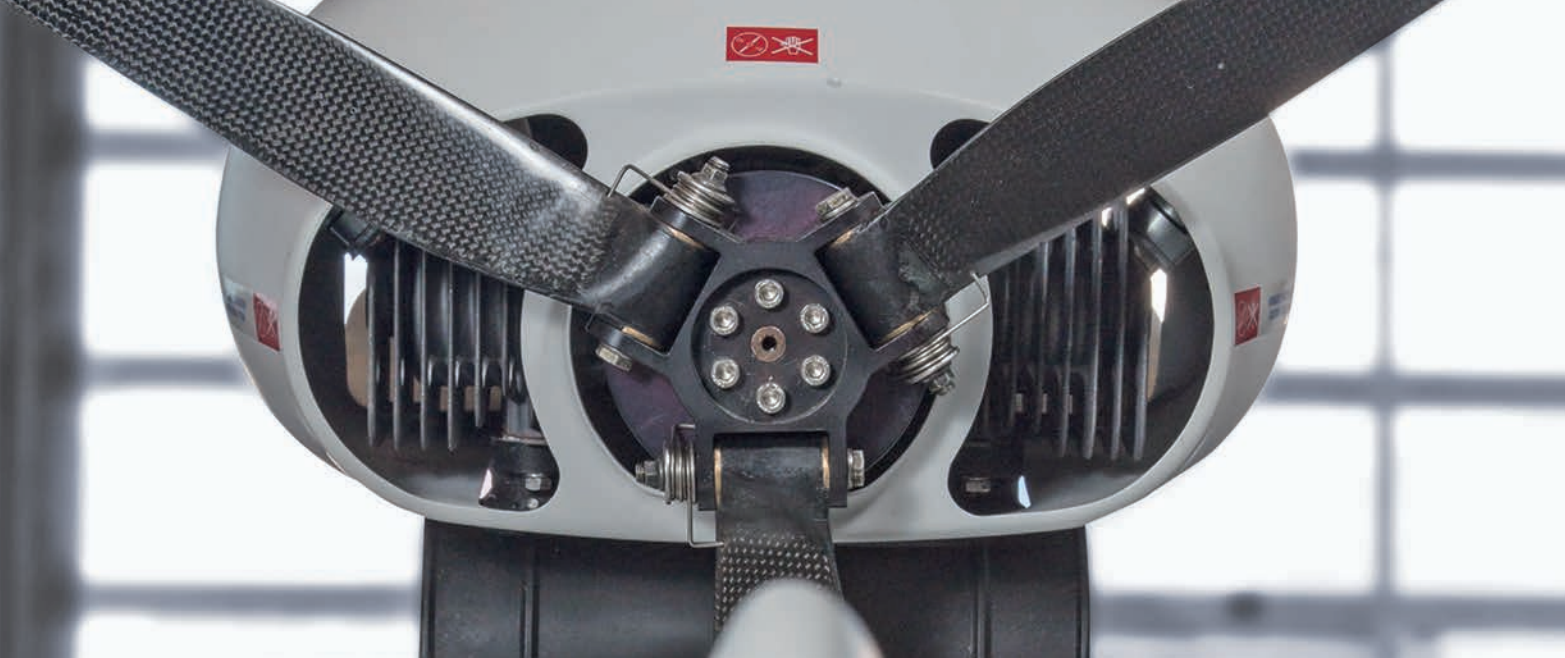


Net landing



Efficient and flexible: the LUNA drone can be equipped with different payloads





#### TECHNICAL DATA

Wingspan	4.17 m
Length	2.38 m
Height	0.87 m
Take-off weight	40 kg
Drive	Two-cylinder two-stroke injection engine, battery-buffered generator for power supply
Flight duration	>6 (optionally 8) hours, depending on payload and application profile
Flight performance	Typical reconnaissance speed 70 km/h (37 KIAS), $V_{max}$ 130 km/h, service ceiling >5000 m ISA altitude
Range	>100 km

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