



# LUNANG

## AIRBORNE RECONNAISSANCE SYSTEM

**TAKING RESPONSIBILITY** IN A CHANGING WORLD





Ground control station

## DECISION WITH A **VISION.**

The LUNA NG uncrewed aircraft is the latest element in the LUNA system for real-time airborne surveillance, detection and tracking. With its ultra-light but highly stable fuselage structure made of CFRP (carbon fibre reinforced plastic), it offers a flight time of over 12 hours – and with its data link range of over 100 km, it achieves a spatial coverage of more than 30,000 km<sup>2</sup>.

## **SLIM, READY FOR USE, INCONSPICUOUS**

The big advantage of the LUNA system is its high level of flexibility both during transportation and use. The compact ground station fits into small vehicles or standard cabins, allowing for quick transport – e.g. by helicopter. Independent of runways, the aircraft can be launched from almost anywhere using a rope hoist catapult, and landing is autonomous using differential GPS in the net or by parachute. In flight, the LUNA NG impresses with its low acoustic, thermal and radar signatures.



**LUNA NG – ready for action**

## SIMPLE OPERATION, MANY POSSIBLE APPLICATIONS

Operation of the LUNA NG system has been tried and tested for a long time and can be carried out after a short period of training. Extensive automation ensures safe and reliable operations. Mission planning and data analysis are conducted using the software supplied. A cost-efficient modular system allows the LUNA NG aircraft to be specifically equipped with the required payload – including:

- Modular payloads (incl. EO, IR, acoustics, spectrum analysing)
- LTE network/comms relay/command post connection
- Tactical SatCom intelligence
- IMEI tracker
- AI supported data evaluation
- Sensor-to-shooter capabilities and connectivity
- Integration of Electronic Support Measures (ESM)



The aircraft can be made ready for take-off with little overhead. Net landing.



## TECHNICAL SPECIFICATIONS

Wingspan	5.34 m
Length	3.17 m
Height	0.73 m
Take-off weight	110 kg
Drive	Heavy fuel Wankel rotary engine with injection, liquid-cooled, starter/generator
Flight duration	>12 hours, depending on payload and application profile
Flight performance	Typical reconnaissance speed 90 km/h (IAS), $V_{\max}$ 130 km/h (IAS), service ceiling >5,000 m (ISA) altitude
Range	>100 km

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