

# Mission optimised sensing platform

- Cylindrical 9.8 in x 57 in Multi purpose mission pod below the wing, up to 33 lbs each
- Rudder top radome 9.8 in x 17 in, up to 9 lbs
- 100 hp fuel effective Rotax 912 S with additional alternator 12V/25A, separate from the regular aircraft power supply

## Mission profile

- Gimballed SD/HD video cameras
- Thermal cameras, cooled and uncooled
- HighRes photo cameras
- Non-directional and single axis directional microwave antenna
- Wide band data links, analog, COFDM, digital video, WLan
- Environmental sensing
- Air analysing

### Mission safety

- 1-3 axis auto pilot
- GPS pattern support
- Rescue system

#### Your mission

- Aerial supervision
- Traffic management
- Geo referencing
- Cartography
- Below surface geo exploration
- Aerial identification
- Environmental planning
- Rural/urban planning
- Crop supervision





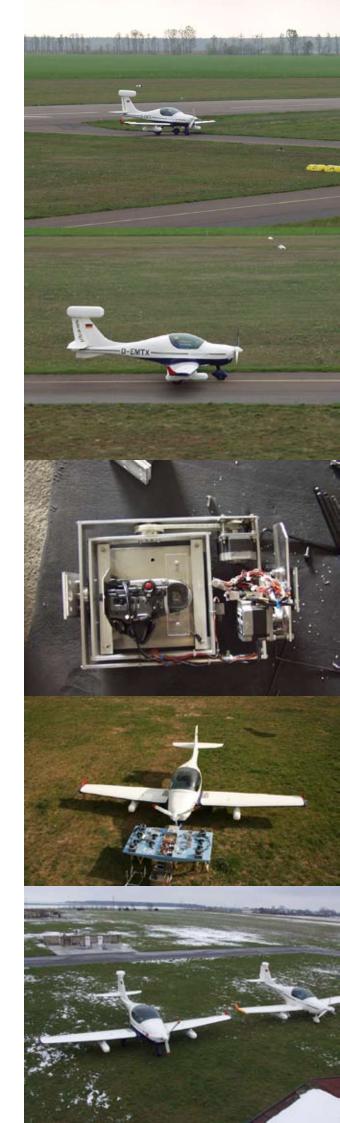
## **Cost optimization**

- Airborne sensing at a fraction of costs compared to helicopter or multi engine aircraft
- Highly flexible platform for different mission types
- Dual pilot or single pilot with computer equipment on the 2nd seat
- Low maintenance and adaptation costs.
- Total payload between 400 to 660 lbs, depending on category
- Endurance up to 7 hrs plus reserve
- Range abt. 750 nm/1,400 km
- Carbon fibre body, glass fibre wings

Data	VLA met.	VLA imp.	LSA met.	LSA imp.
Wingspan Length Hight Wing area Cabin width	8,80 m 5,80 m 2,13 m 8,52 m <sup>2</sup> 1,13 m	28.9 ft 19.0 ft 7.0 ft 91.7 sq.ft 44 inch	9,60 m 6,04 m 2,13 NG 9,38 m <sup>2</sup> 1,13 m	31.5 ft 19.8 ft 7.0 ft 106 sq.ft 44 inch
MTOW Empty weight abt. Fuel consumption Travelling speed (75%) Maximum speed (100%) Never exceed speed (VNE) Safe speed. Minimum speed Maximum speed at max flaps Max climb rate Landing run Take-off run	650 kg 350 kg* 12-14 l/h 230 km/h 250 km/h 300 km/h 180 km/h 75 km/h 110 km/h 5 m/s 120 m	1433 lbs 772 lbs 2.6-3.1 gal/h 124 knots 134 knots 162 knots 97 knots 41 knots 59 knots 1050 ft/min 394 ft 328 ft	600 kg 340 kg 12-14 l/h 200 km/h 220 km/h 300 km/h 180 km/h 76 km/h 110 km/h 5 m/s 120 m	1320 lbs 750 lbs 2.6-3.1 gal/h 110 knots 120 knots 162 knots 97 knots 42 knots 59 knots 1050 ft/min 394 ft 328 ft
Rotax 912 ULS 100 hp				

100 hp Mogas, AVGas 100 LL or regular 98ROZ car fuel.

E.&O.E.



<sup>\*</sup>Depending on equipment and motor







