

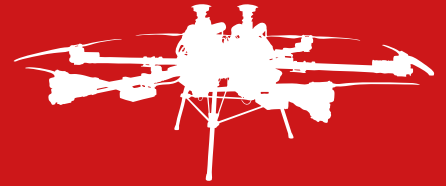
ADLER AEROSPACE



Atlas6

V2MAG

Land- and Naval UXO Detection



With unbeatable sensitivity and real-time data, the V2Mag is the most trusted Drone Magnetic solution for Land- and Naval UXO Detection.

Atlas6 Platform

The Atlas6 Heavy Lift Drone is a cutting-edge hybrid UAV designed to push the boundaries of endurance, payload capacity, and operational versatility.

Engineered for precision, reliability, and adaptability, the Atlas6 is the ideal aerial platform for UXO detection. With multiple fuel tank configurations, an industry-leading payload system, and exceptional flight endurance, the Atlas6 stands out as the most advanced UAV in its category.

Atlas6 has been built from the ground up to maximize lift efficiency while maintaining exceptional range and stability. Whether carrying mission-critical cargo, advanced sensor systems, or counter-UAS technology, this UAV adapts to any scenario with precision.

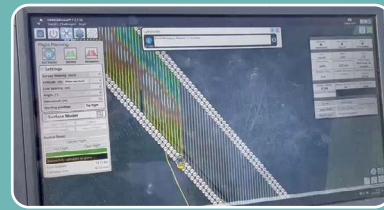
Atlas6 V2MAG

Land- and Naval UXO Detection

UMagMission is our End-to-End Operation software for the V2Mag.

UMagMission gives you a single-point-of-access to the entire Drone Magnetic operation.

- » Real-time data
- » Battery hot swap for full day operations
- » 5 cm real-time GNSS positional accuracy
- » World record-low noise level
- » Weather resistant
- » Patented design
- » Dual quantum sensor setup
- » Operational anywhere in the world
- » NATO STANAG compliant
- » Battle-proven since 2023
- » Validated in +150 commercial UXO



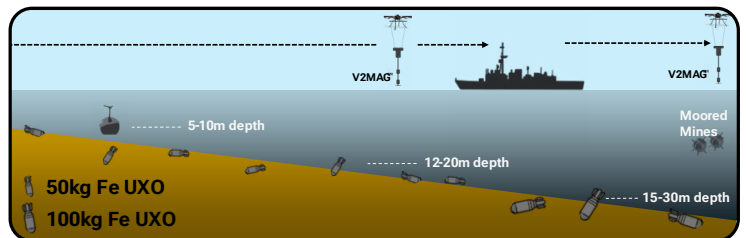
V2Mag Specifications

TECHNICAL

- » Centimeter-level Positioning: GNSS Jamm/Spoof Resilience
- » Dual Quantum Sensor Technology
- » 0.01 nanoTesla peak-to-peak Dynamic Noise in Raw Data
- » 0.01 nanoTesla Heading Error in Raw Data
- » Long-range Radio Link for Real-time Data Transfer

OPERATIONAL

- » Layman applicable
- » Survey Speed: 0.5-8 m/s
- » Weather: Wind: 10-12 m/s (15-17 m/s gusts)
Temperature: -10°C to +35°C
Max Precipitation: 10 mm/h
- » Coverage: Onshore 2-6 ha/hour
Offshore 8-12 ha/hour
- » Deployment: Onshore: All-terrain, incl Rivers and Lakes
Offshore: Coast, Harbors, Ice-covered waters



Atlas6 Specifications

AIRCRAFT

- » Configuration: **Multicopter-Hexacopter**
- » Frame: **Carbon fiber composite**
- » Dimensions Un-Folded: **260.6×113.7×138.4 cm (L×W×H)**
- » Empty Weight **45.6 kg**
- » Weight with flight batteries **49 kg**
- » Weight with 11L fuel load **57 kg**
- » MTOW (fuel load + payload) **105 kg**
- » Maximum payload **56 kg**
- » Max payload w/ 11L fuel load **48 kg**
- » Modular Payload system
- » Fuel Tanks Options **6**
- » Tank Sizes **11L, 22L, 33L, 44L, 55L**
- » Ingress protection **IP35**
- » Connector Protection **IP67**
- » Rotors **6**
- » Rotor Diameter **42**
- » Blade Material **CFRP**
- » Max Operating Temp **-20° to +40° C**
- » Sound w/ max payload @ 500m .. **42 db**



COMMS

- » GCS open architecture
- » RF Telemetry/ Video: Silvus, DTC, Radior, Creo, Persistent and other encrypted software defined
- » Data Link Redundancy
- » Starlink/ Satellite Link Integration
- » Mobile network - LTE modems
- » Fiber-optic

NAVIGATION

- » Magnetometer
- » Airspeed Sensors
- » LIDAR Altimeter\
- » Visual Positioning System
- » RTK, Anti-Jamming GNSS
- » Inertial Navigation System (INS)

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