



Atlas 6 Heavy Lift Drone

Unmatched Endurance, Payload, and Versatility

Redefining Heavy-Lift UAV Technology for Tactical and Industrial Applications

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 logistics, surveillance, search and rescue (SAR), counter-UAS operations, and military resupply missions. 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.

Unparalleled Payload Capabilities

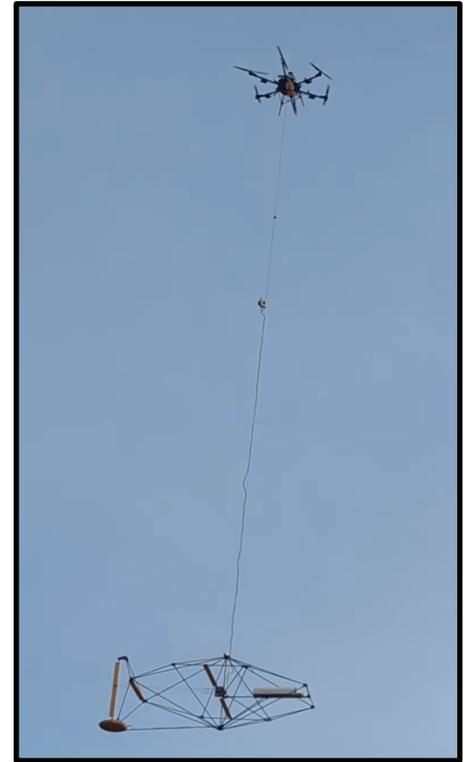
The Atlas6 has been built from the ground up to maximize lift efficiency while maintaining exceptional range and stability. Whether carrying mission-critical cargo, advanced sensor systems, or counter-UAS technology, this UAV adapts to any scenario with precision.

- Maximum Payload Capacity: 50 kg (including fuel and non-fuel payloads)
- Configurable Non-Fuel Payloads: Ranging from 0 to 50 kg, depending on fuel requirements
- Underbody Payload Bay: Accommodates cargo up to 600x800x600mm- adjustable landing gear
- Customizable Pods: Equipped for SAR, logistics, counter-UAS, and electronic warfare operations
- Modular Fuel Tank System: Choose between 11L to 66L fuel tanks to optimize for either maximum range or heavier payloads



Advanced Flight Endurance & Range

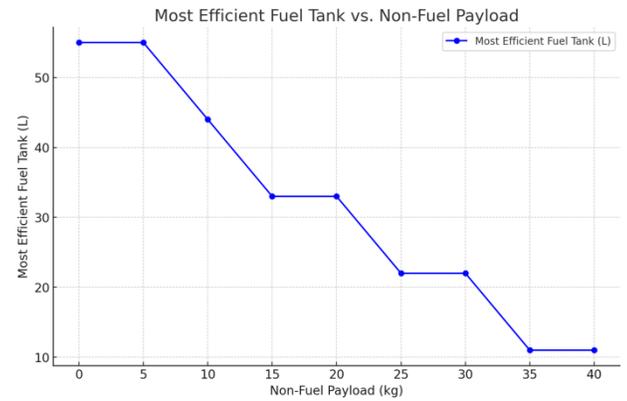
Powered by an innovative hybrid propulsion system, the Atlas6 achieves extraordinary flight times and mission flexibility. Depending on fuel tank size and payload configuration, the UAV can operate for extended durations, outperforming conventional electric and battery-powered drones.



ATLAS-6 Heavy-Lift Drone

Fuel Tank & Flight Time Configurations:

- 11L Tank (40kg payload) → 88 min flight time
- 22L Tank (33kg payload) → 176 min flight time
- 33L Tank (25kg payload) → 264 min flight time
- 44L Tank (16kg payload) → 352 min flight time
- 55L Tank (8kg payload) → 440 min flight time
- 66L Tank (minimal payload) → 528 min flight time (8.8 hours)

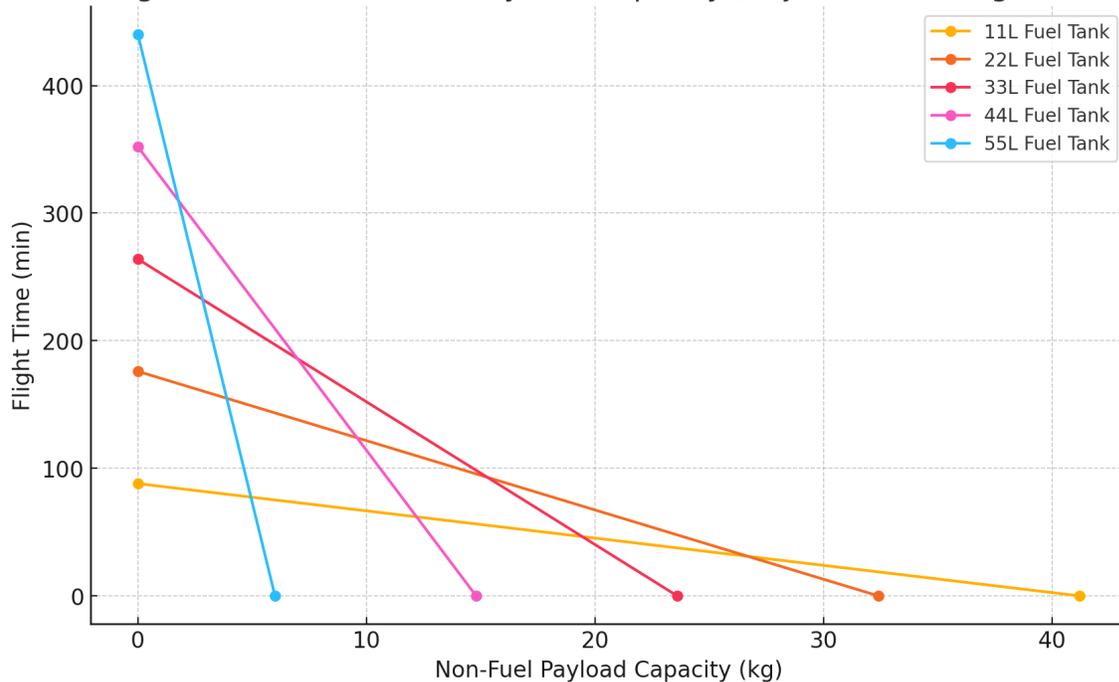


Operational Range

- **Short-Range Heavy-Lift Mode:** Up to 60 km with a full 50 kg load
- **Long-Range Logistics Mode:** Up to 400 km in extended fuel configurations
- **Mid-Mission Payload Drop Mode:** Range improves by up to 40% after payload release

<https://youtu.be/ewtySu7gCdE?>

Atlas6 Flight Time vs. Non-Fuel Payload Capacity (Adjusted for 50kg Max Payload)



Designed for Multi-Mission Adaptability

The Atlas6 is not just a drone—it is a mission-ready platform capable of integrating cutting-edge defense, industrial, and emergency response solutions.

ATLAS-6 Heavy-Lift Drone

Key Applications:

- ✓ **Search & Rescue (SAR):** Carry medical supplies, thermal imaging, and emergency equipment
- ✓ **Logistics & Cargo Transport:** Deliver payloads to difficult terrain and high-risk zones
- ✓ **Counter-UAS & Electronic Warfare:** Jamming, tracking radar, and stealth net deployment
- ✓ **Defense & Reconnaissance:** Conduct long-range surveillance and ISR (Intelligence, Surveillance, Reconnaissance)
- ✓ **Multi-Stop Tactical Resupply:** Replenish forces with ammunition, food, and critical equipment

Incorporates the TB2 DROPS modular cargo system <https://vimeo.com/1020212328>

Structural & Design Innovations

- **Hexacopter Configuration:** Provides superior stability, maneuverability, and lift power
- **Hybrid Gas-Electric System:** Ensures maximum efficiency and long-duration flights
- **Lightweight Carbon Fiber Frame:** Strengthens durability while minimizing weight
- **Retractable or Extended Landing Gear Options:** Allows for larger cargo loads under the fuselage



Why Choose the Atlas6 Heavy Lift Drone?

- ✓ **Best-in-Class Payload Versatility:** Configurable fuel-to-payload ratio for mission-specific needs
- ✓ **Longest Flight Time in its Class:** Up to 8.8 hours (528 min) of continuous flight
- ✓ **Mission-Ready in Extreme Conditions:** Operates in high wind speeds, low temperatures, and difficult terrains
- ✓ **Modular and Scalable:** Adaptable for civilian, military, and emergency response operations
- ✓ **Advanced Safety & Redundancy:** Hybrid system ensures fail-safe performance

The Atlas6 Heavy Lift Drone is the ultimate solution for high-payload, long-endurance missions, offering unrivaled performance in both civilian and defense sectors. Whether deployed for military resupply, SAR operations, tactical surveillance, or counter-drone warfare, the Atlas6 ensures superior efficiency, reliability, and mission success.

ATLAS-6 Heavy-Lift Drone