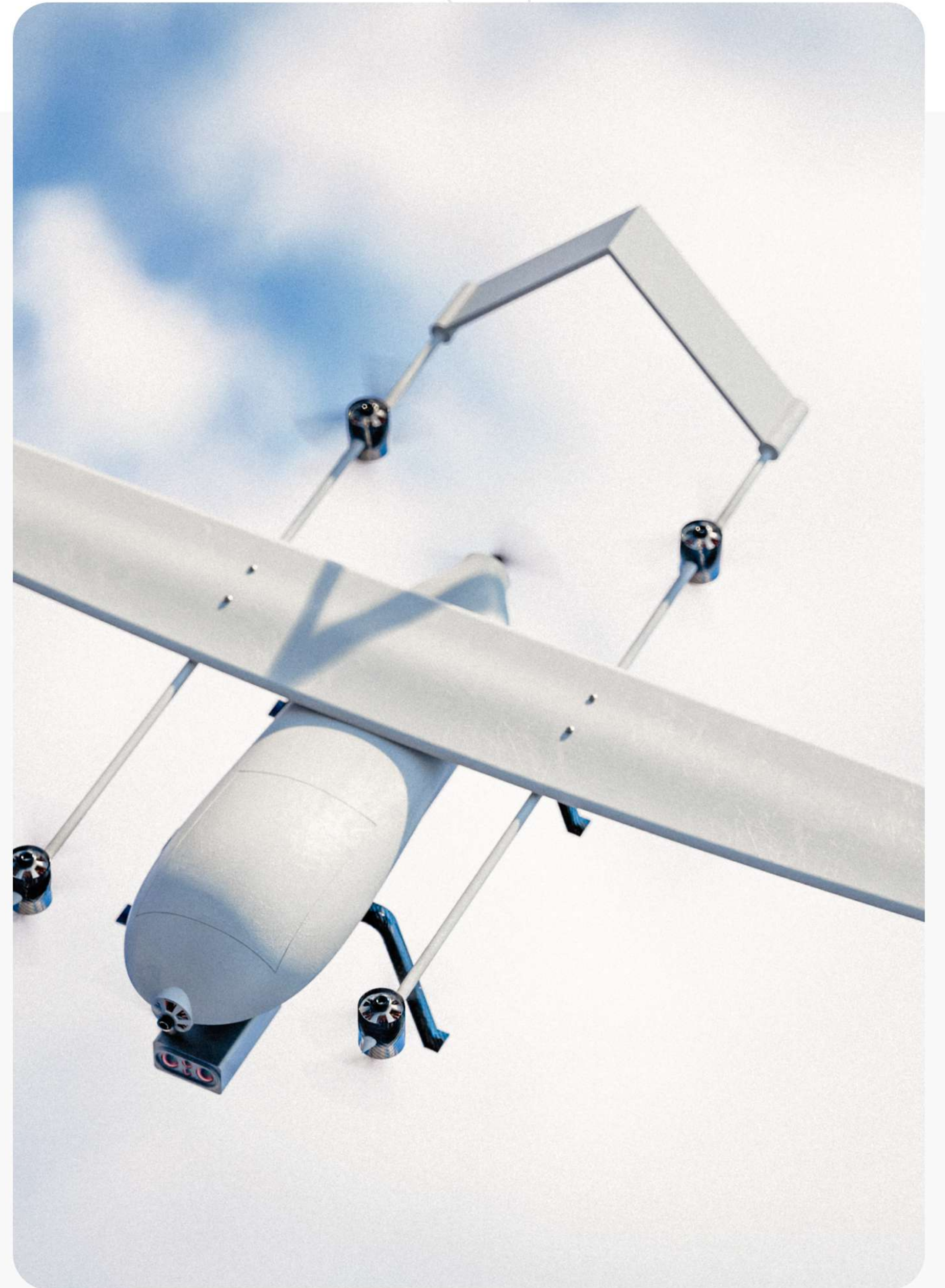


Soloma  
Avionics

+

# REDEFINING AUTONOMOUS HEAVY LIFTOFF





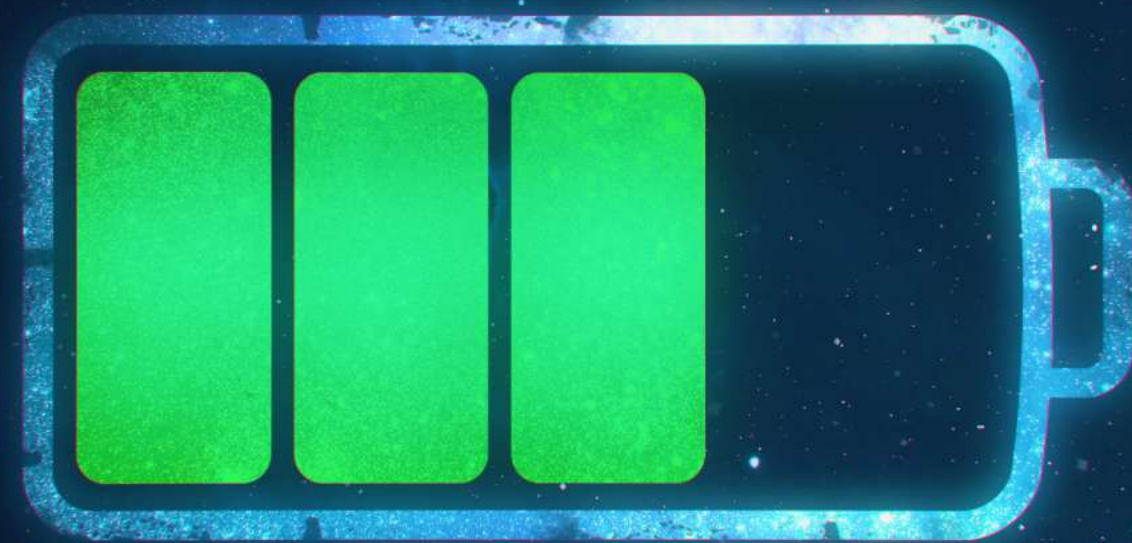
# HERALD

short distance high cargo  
aerial unit

Dimensions	~ 1.95 m × 4.74 m × 1.00 m
Maximum Take-Off Weight	135 kg
Maximum Range	400 miles (light cargo)
Top Speed	150 - 180 km/h
Payload	30 - 45 kg







**Extremely Long  
Battery Life**



**Advanced Flight  
Stability**



**Unmatched Cargo  
Capacity, Anytime**

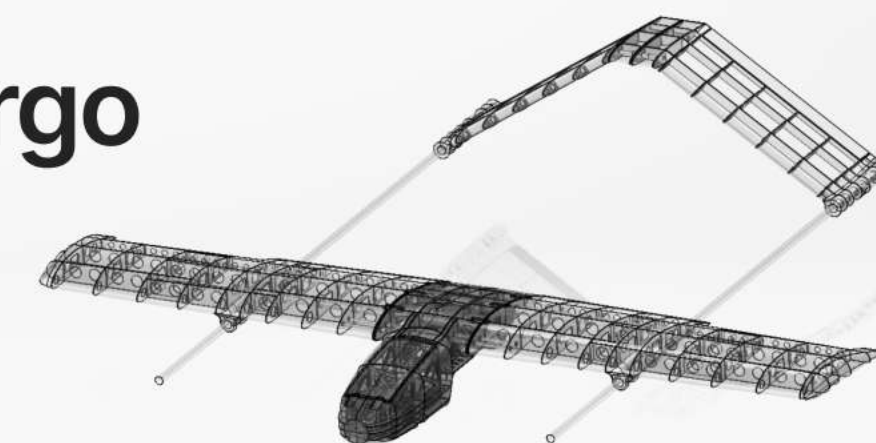
**High-End Tech  
Components**



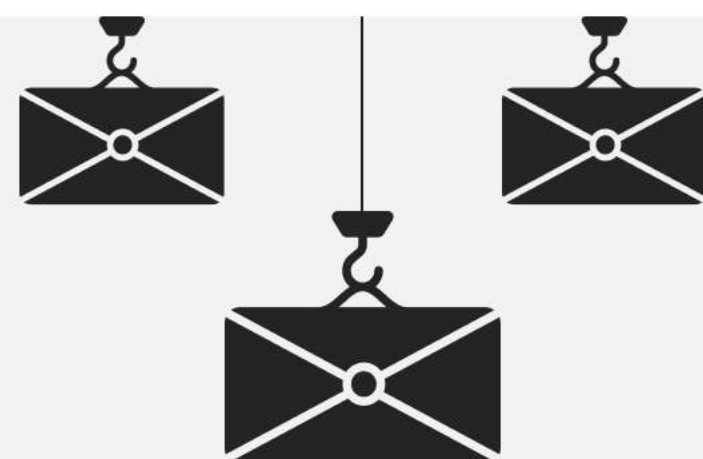
**Failsafe Systems  
(Communication)**



**Custom Cargo  
Solutions**



**Rugged  
Construction**



**In cooperation and based on the  
feedback of the best currently active  
military and special forces pilots**







## Why This Matters?

🚀 **Bridging the Gap Between Commercial & Military UAV Tech –** Our innovations bring military-grade reliability to commercial applications, ensuring precision, security, and scalability.

💡 **Expanding the Global UAV Market –** From autonomous security patrols to AI-enabled mapping and surveillance, our technology meets growing demands in defense, logistics, and environmental sectors.

🌍 **Solving Real-World Challenges –** With applications in disaster response, environmental monitoring, and precision agriculture, our UAVs are designed to enhance safety, efficiency, and sustainability worldwide.

**Join us in shaping the future of UAV technology.**



# Intelligent Software Ecosystem

We are developing end-to-end software solutions for:

- **Mission Planning & Execution:**

Real-time adaptive routing, no-fly zone management, and precision flight path optimization

- **In-flight Control:**

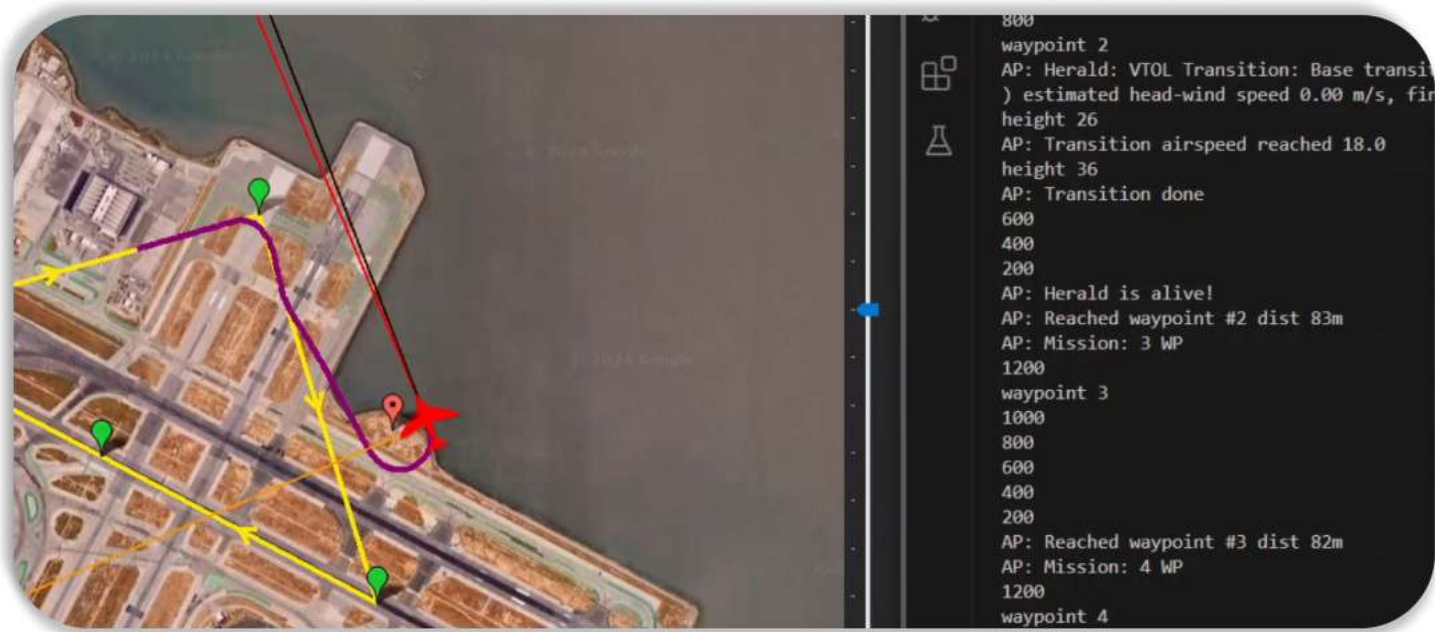
Seamless integration for cameras, gimbals, sensors, and payloads, ensuring mission accuracy

- **Post-flight Analysis & AI-driven Insights:**

Data logging, AI object detection, terrain mapping, and environmental monitoring

- **Autonomous AI Navigation & Object Recognition:**

Smart tracking, anomaly detection, and terrain-adaptive autopilot



# Custom Firmware Development

Unlike off-the-shelf solutions, our proprietary UAV firmware expands beyond existing standards like ArduPilot, offering:

- **AI-enabled surveillance missions**
- **Automated loitering around points of interest**
- **Advanced flight optimization algorithms for extreme conditions**
- **Secure and adaptive mission control for defense & commercial applications**





## Leadership, Testing and Customization

### ◆ Proven Testing & Deployment in Ukraine – Our UAV solutions are tested in real-world security environments, ensuring:

- Operational resilience in challenging conditions
- Robust anti-jamming & secure communication protocols
- Mission success in high-risk areas for defense & surveillance

### ◆ AI-Powered Cloud Seeding & Water Dispersion – Our drones are equipped for atmospheric intervention, enabling:

- Precision cloud seeding for enhanced precipitation & drought management
- Large-scale water dispersion for firefighting & environmental restoration
- AI-driven climate analysis for optimized resource deployment

### ◆ Industry Leadership in UAV Autonomy & Multi-Mission Capability

- Fully modular design for quick adaptation to various mission profiles
- Multi-UAV fleet operations for synchronized missions and data sharing
- Integration with next-gen AI analytics for real-time decision-making

