

GRAVADS

GRAVITY-ASSISTED AERIAL DRONE SYSTEM

**AFFORDABLE, 100+ KM
SWARMING MISSIONS**

**HIGH RESILIENCE TO
COUNTER-UAS**

**ADVANCED 3D MAPPING &
WIDE AREA SCANNING**

MULTI-HOUR LOITERING WITH LOW-OBSERVABLE GLIDER PLATFORM

- 8kg modular payload
- 30:1 glide ratio
- Composite materials
- Low-RCS dielectric airframe
- Minimal IR & EM footprint
- Silent flight

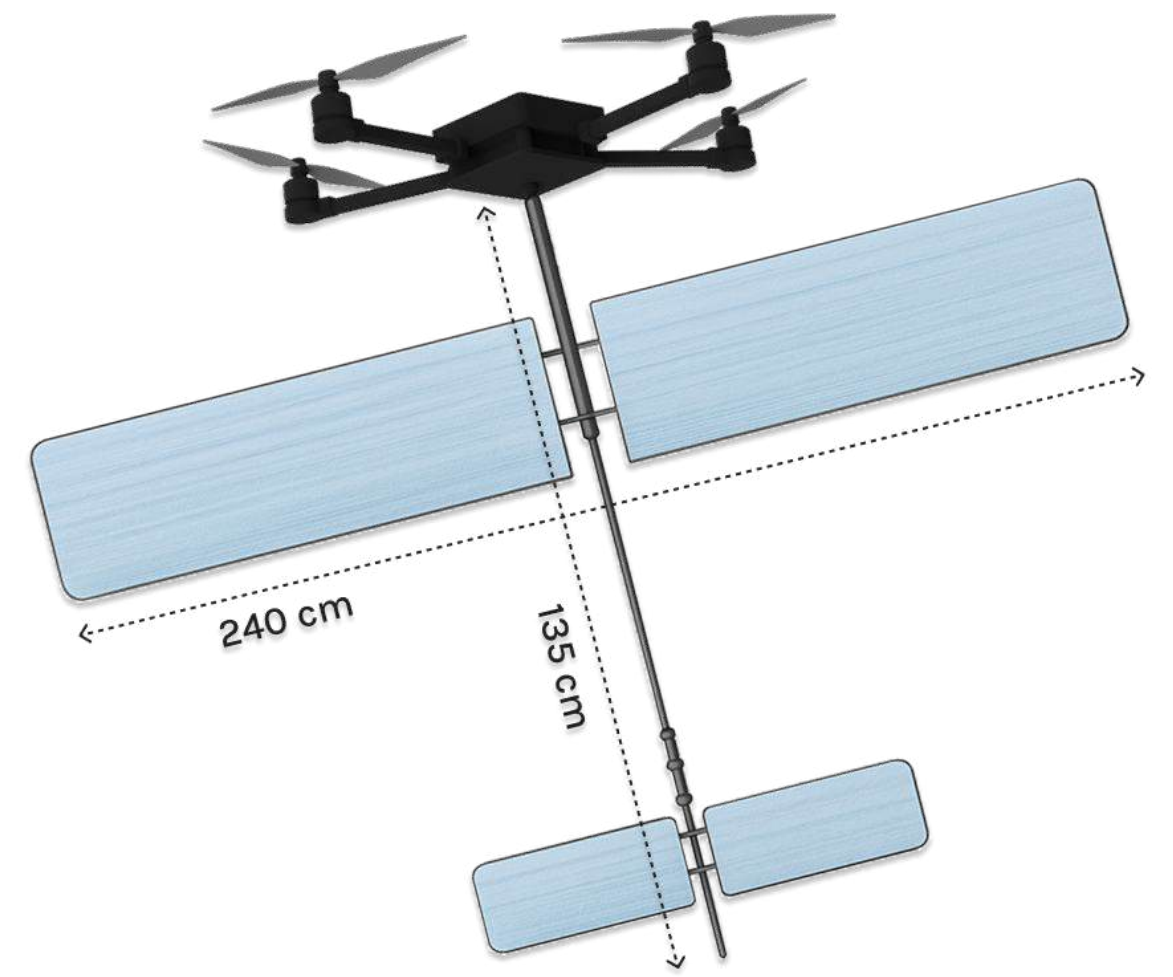
GRAVADS

GRAVADS IS A PATENT-PENDING, MODULAR DELIVERY SYSTEM:

Carrier drones lift a swarm of 100-300 low-cost, unpowered, low-signature gliders, each with 8kg payload and 100+ km range

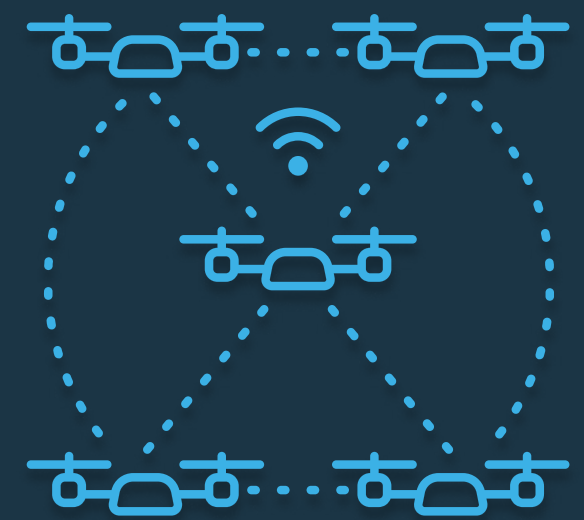


Watch video



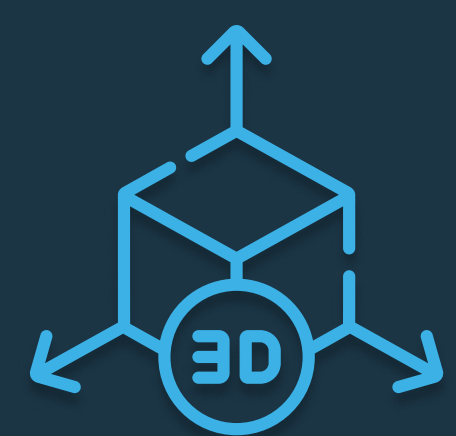
AUTONOMOUS SWARMING FOR SUPERIOR SITUATIONAL INTELLIGENCE

- Synchronized 3D scene reconstruction
- Shared sensor fusion
- Inter-drone mesh networking with secure comms
- Multi-UAV dynamic task allocation



MULTI-MODAL SPATIAL CAPTURE

- 360° spherical imaging
- SLAM-based high-density 3D point-cloud reconstruction
- Optional integration of IR, LiDAR & other sensors



ON-DEVICE C4ISR EDGE AVIONICS

- GPU-accelerated compute platform for video analytics
- Environment mapping & adaptive flight control
- Automatic target recognition & object detection

