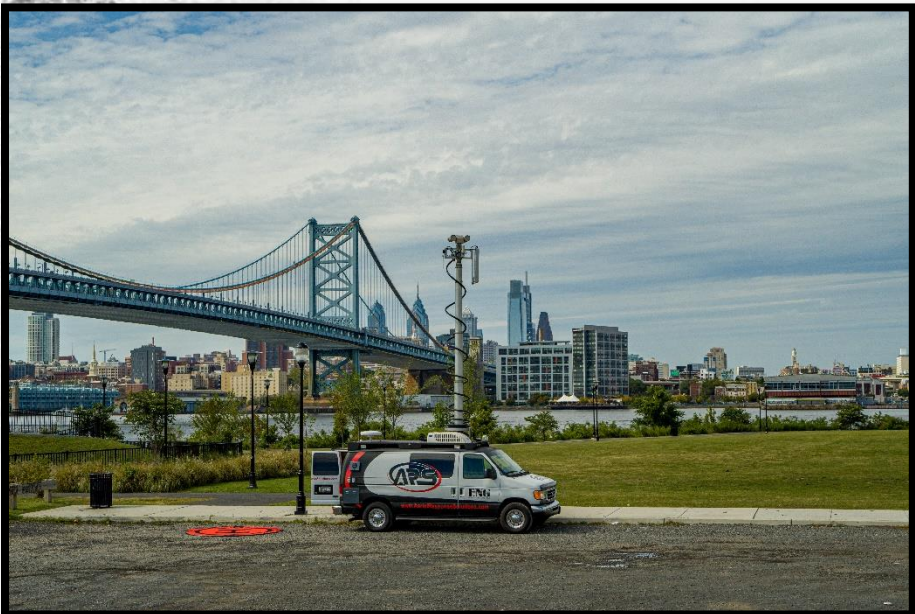




MOBILE COMMAND & CONTROL CENTERS

Aerial Response Solutions and ENG Mobile Systems bring decades of combined experience in rotor-wing aviation, public service, and manufacturing excellence to address the needs of modern UAV operators, pilots, and regulatory authorities alike. ARS's goal is to bring to market turn-key solutions that deliver:

- Rapid response and deployment times
- Integrated aircraft with the highest payload and flight time profiles
- Redundant GCS power sources
- Robust and reliable flight control links
- Hardware and software solutions to provide aircraft separation and collision avoidance
- Radio and satellite communication systems
- Collaborative design process and deep commitment to technical support for our clients



CHASSIS TYPES

Mercedes-Benz Sprinter
Ford Transit

POWER SYSTEMS

Generator
Power Distribution
Inverter/Charger
Auxiliary Battery System
Shore Power

MAST & COMMUNICATIONS SYSTEM

Mast & Mounting System
Pneumatic System
Nycoil & Cabling
Satellite Equipment
VHF & UHF Equipment

EXTERIOR

Roof-deck/Ladder
Air Conditioning
Stabilization Jacks
Antenna Leads
External Monitors



LONG-RANGE UNMANNED AERIAL VEHICLES

ARS LONG ENDURANCE HYBRID UAVs UAV SPECIFICATIONS

ARS Hybrid UAV - Configuration	Coaxial 8
Engine	2 Stroke 2 Cylinder
Electrical Output	4 kW
Engine Cooling	Liquid Cooled
Fuel	Petrol/Oil Mix
Fuel Capacity	7.5 Ltr
Payload (At Max. Fuel)	4.5 Kg
Max. Flight Endurance	5 Hrs
Flight Endurance Max. Payload	2 Hrs
Max. Airspeed	20 m/s
Operating Temp Limits	(20°) To 45°C

MOBILE NETWORKED MIMO WIRELESS COMMUNICATIONS

Rf Link (Primary and Backup)	Silvus OEM Mimo, Doodle Labs
Radio Frequency Options	900MHz, 2.4GHz, 5.8GHz
Flight Controller	Tablet Based
Max Range at Cruise Speed	201 Km
Maximum Video Transmission Range	50 Km
Flight Modes	Manual, Survey, Autonomous
Planck Aero Autonomous Landing System	✓
Aircraft I/O	Serial, Ethernet, USB, SBUS, PWM

OUR MISSION

We believe that UAV pilots and operators should have the same information and resources readily available to them that pilots of manned aircraft have. The ARS approach to design and manufacturing provides this support. The principles of access to resources and safe integration into the national airspace system are the foundations for a mobile command and control center tailored to meet your mission requirements.



DIMENSIONS

Wingspan	234 cm
Min. Height	84 cm
MGTOW	25 kg
Payload Mounting	Universal 12mm rod/ Rail system





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WWW.E-N-G.COM



AERIAL RESPONSE SOLUTIONS

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Long-Range Unmanned Aerial Vehicles

