S E N T I N E L
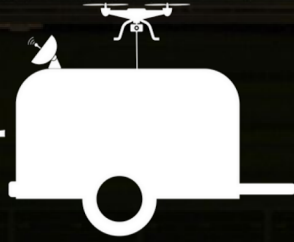## TRAILER UAV SYSTEMS

Commercial Grade Trailable Aerial Drone systems for extended flight times in remote locations

Drone.In.A.Box autonomous UAV systems provide increased effectiveness and capability.

Easy Aerial ✕

Sentinel UAV designs and builds specialized trailers to extend the operational range of D.I.A.B. systems across many applications including;

- Livestream Event Broadcasting
- 24hr-7 day Security and Surveillance
- A.I. equipped track and follow Surveillance
- Outdoor Event Crowd Monitoring
- Traffic Monitoring & Management
- Search & Rescue / Disaster response
- Emergency Mobile and Data Networks
- Emergency Weather station
- Emergency Flood Lighting

Aerial Livestream Broadcast Unit

A trailer UAV system Australian Made for Australian Conditions

W: edgerov.com.au/sentineluav   E: enquiries@edgerov.com.au   PH: 1300 721 990

The **Easy Aerial** ✕ **3** in **1** System

At Sentinel UAV we recommend Easy Aerial Drone-in-a-box solutions however our trailer packages can be designed to accommodate _any_ make or model of UAV / RPAS
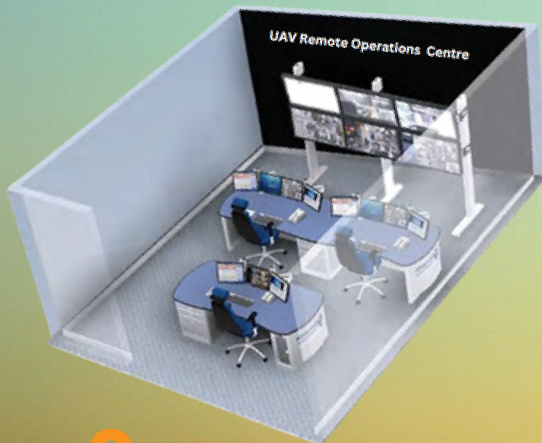
1 The UAV Platforms - 12

Easy Aerial UAV Drones are made in the US and are deployed by US Military and Police forces. The all weather drones carry numerous payload options including , 4K cameras, Thermal / FLIR imaging, Lidar, Auto Target Tracking, RFID tag recognition, A.I. Analytics, License plate recognition, Object recognition, 360 degrees viewing, mapping.

Depending on the model the UAV's can reach speeds up to 120km/h and distances of 80km with payloads up to 15kg.

2 Easy Remote Monitoring System - ERMS

Easy Aerials proprietary software system enables command and control of a single or multiple remotely operated drones, while transmitting high-definition optical and thermal video in real-time. It can be securely accessed anywhere and at any time, enabling users to conduct missions from a **Remote Operations Centre** or in the field with a smartphone, tablet, or proprietary controller. The software includes an "API version" for easy integration with external command-and control software

3 Drone-in-a-Box - Autonomous Flight Systems

Easy Aerial Ground Stations operate as a secure storage and recharge station for free flight and tethered Drones Drones can be pre-programed to take off and land autonomously in the ground station.

The Tethered option provides continuous power for indefinite flight time while delivering secure data transmission at an elevation of 100m, even in extreme weather conditions. It delivers precise hovering over the ground station without the need for GPS guidance. The activation and operation are simple and can be performed on-site or from a Remote Operations Centre.

Easy Aerial ✕
Above & Beyond

SENTINEL
TRAILER UAV SYSTEMS

Payload Options

Easy Aerial Drones provide their own payload options and also integrate to many 3rd party supplied products. From a multitude of camera / vision products to Loudspeakers, Flood Lights, Data Mesh Networking, RFDI Tracking etc.

Camera's - 21 options

BASIC
- Vis (day only) camera Optical zoom (x10 / x30 / x40)
- Live HD feed

ENHANCED
- Same as Basic but also Vision Day/Night

PREMIUM
- Same as Premium but with Embedded analytics & tracking

Other Payloads
- Echodyne Radars - UAV Radar
- Sylvus MN-MIMO Mesh Networking
- IMSI Catcher
- Jammers
- RTK Air & Ground
- Loudspeakers
- RFID Inventory Tracking
- GNSS Anti-Jamming
- Flood Lights
- Weather station
- Possible to easily integrate additional/custom communication solutions
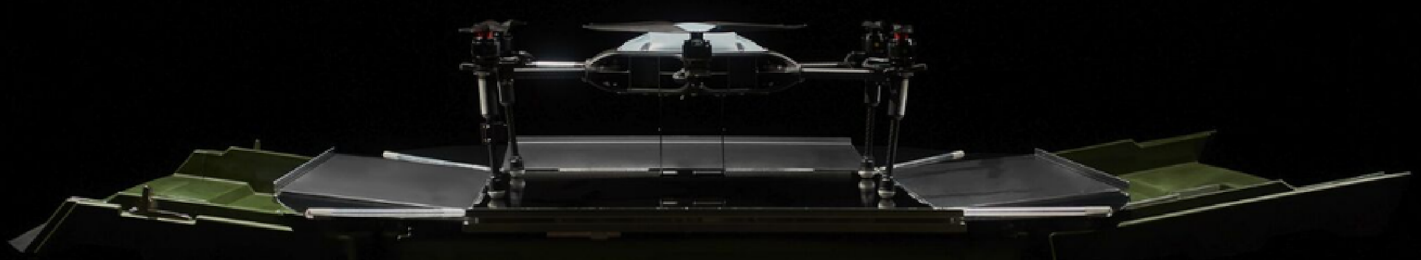
SiLVUS TECHNOLOGIES

microhard

NextVision

AgEagle

DOODLE LABS

SENTINEL TRAILER UAV SYSTEMS

Custom designed UAV / RPAS Trailer solutions

Our Australian made **Sentinel UAV Trailers** are custom designed to suit our rugged Australian conditions. Choose from a large range of colours, camouflage design or custom wraps. We'll customize the look to suit our customers requirements.

Trailer Features

- Weatherproof enclosed Trailer.
  - sizes 6x4, 7x4, 7x5 & 8x5
- Single and duel axel versions with Off Road options.
- Generator compartment.
- Lockable two side, one rear, lift doors with gas struts.
- 4 corner stabilizer legs.
- Optional weather awning

Sentinel UAV Trailers can accommodate an almost unlimited range of options. Choose from our range or we can integrate your own options during the build.

A wide choice of options

Power

- Power Management System
- 15amp 240v power connection
- Battery Packs
- 4 Stroke Generator
- Solar Power system
- Multiple device recharging points

Communications and IT

- 4G & 5G Mobile extender unit
- Switches / routers / security
- Satellite Connectivity
- Commercial display screen
- Interactive PC touch screen
- 2 way radio communications
- Swivel brackets for screen

Ancillary Items

- Refrigerator / cooler
- Fresh water tank / pumps and tap
- Fuel can holders
- Generator Housing
- Fold out weather awning
- Folding tables and chairs

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