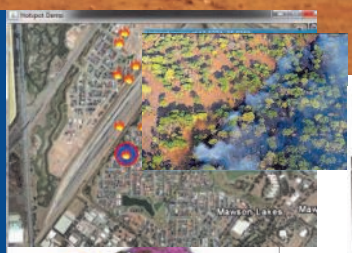
PETREL UAS

AVITUS - PETREL UAS

A complete CASA approved UAS Service provider.

Supporting Payload, Operational and Commercial Capability Development.



PETREL UAV SYSTEM:

- Science & research
- Law enforcement
- Coastal patrol
- Border protection
- Mineral exploration
- Search & rescue
- Payload development
- Radio repeater
- Power & pipeline inspection
- Bushfire monitoring
- Terrain mapping & surveying
- Surveillance & reconnaissance

AVITUS
UAV SYSTEMS

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DIMENSIONS

Wing span	3.6m	11.8 ft
Length	3.5m	11.4 ft
Payload Bay Dimensions	600 x 380 x 300mm	

WEIGHTS

Empty Structure Weight	60 kg	132 lb
Max Takeoff Weight	100 kg	220 lb
Payload Weight	20 kg	44 lb

PERFORMANCE

Max Speed	44 m/s	86 knots
Cruise Speed	22 m/s	44 knots
Endurance		6+ hours
Ceiling	3048 m	10,000 ft
Takeoff & Landing Dist	60m	200 ft

SYSTEM FEATURES

Propulsion	15 kw (20 hp) 2-stroke engine
Fuel	Gas (100 octane unleaded) or Heavy fuel
Navigation	GPS/ AHRS
Payload Electrical Power	28V 450W
Launch & recovery	Conventional

GROUND CONTROL STATION (GCS)

Fully Independent AVO and PO consoles.	Dual antenna array, AP & PL telemetry.
Portable ruggedised system.	8 hrs endurance on battery or continuous on ext pwr.

AIRFRAME LEASE

Avitus UAV systems can provide airframes for both long and short term lease. We provide all operational and maintenance support to ensure you concentrate on maximum payload performance.

PAYLOAD INTEGRATION

Seamless integration of your payload into the PETREL.

PETREL supports various mounting configurations and power requirements.

DESIGN/ENGINEERING

Custom design and fabrication solutions to meet your requirements.

3D CAD modeling, CNC machining, Electronic design & manufacture.

CONTACT US

For more information on any of our products or services please visit us at: www.avitus.com.au

AVITUS UAV SYSTEMS

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Avitus UAV Systems is an Australian leader in the design, production and operation of unmanned aircraft systems in support of payload, operational and commercial capability development.

Complete design and manufacture in Adelaide, SA. Specialising in custom modifications to meet customers requirements.