

CORVO

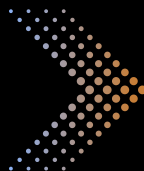
NEXT GENERATION AUTONOMOUS SYSTEM



CORVO ALTO

The Corvo Alto family of next generation Small Uncrewed Aerial Systems (SUAS) are affordable, robust, 100% Australian solutions that are capable of meeting a wide range of operational scenarios, including:

- ISR operations in day and night
- Ab-initio drone training and drone literacy programs
- Mapping and photogrammetry operations
- Swarm operations
- Weaponised applications



MISSION
CAPABLE



TRUSTED &
SECURE



ALL WEATHER
CAPABLE



AUSTRALIAN
OWNED &
OPERATED

KEY FEATURES

SOVEREIGN

Alto is 100% designed and manufactured in Australia by a wholly Australian, veteran-owned business proven to rapidly deliver innovative end-to-end UAS capabilities to meet current and evolving customer requirements.

ALL WEATHER CAPABLE

Alto has been designed to operate in challenging environmental conditions, in high winds, in wet weather, in dust, in heat and in cold.

MISSION CAPABLE

Alto is enabled to leverage the latest operational concepts including the use of AI, swarming operations, one-to-many operation, and the integration of new and novel payload types.

ROBUST

Alto air vehicles and ground stations have been designed to be robust and survivable, specifically suited to demanding Military and Law Enforcement operations.

TRUSTED & SECURE

Alto air vehicles have been designed to be trusted and secure. The Alto Lite and AltoX both utilise an advanced, military grade encrypted, IP mesh datalink. SYPAQ develops all aspects of the software (utilising an open source core) and most of the avionics in-house, resulting in a trusted and secure solution, now and into the future.

SPECIFICATIONS

CORVO ALTO AIR VEHICLE

MTOW: 1400G

ENDURANCE: 35mins

AIRSPEED: 80km/hr

RANGE: 5km

WIND TOLERANCE: 65km/hr (18ms/s)

PAYLOAD: EO (daylight) 2 axis stabilised sensor, 1/2.8 in Sony 4K CMOS sensor 55deg HFOV,

DATALINK: CODAN ultra-light, ultra-compact software defined IP mesh radio

GROUND CONTROL STATION (GCS)

The Corvo Alto GCS is a lightweight, rugged, secure system that provides the operator with a simple to use interface for the operation of the Corvo Alto air vehicle and Guarda Lite payload. The interface is intuitive and has been optimised for ISR operations during day and night, delivering enhanced situational awareness while reducing the cognitive load on the user.

DISPLAY: 11in WUXGA TFT Touchscreen

RADIO: Codan DTC BluSDR Mesh IP

USER INTERFACE: Corvo Single Hand Controller

ENDURANCE: 5 HRS

OPERATING SYSTEM: Android

SOFTWARE: Corvo Control

