

ALTUS
Land Sea Air



EDOMON

Long Range Tactical
ISR VTOL UAS

Applications / Performance

ISR Operations for: ←

- Law enforcement
- Civil Protection
- Defence Systems

Minimum Manpower ←

& Operational Footprint

Long Endurance 7-10 hours ←

depending on configuration

Communication / Control

Multiple Payloads: ←

- EO/IR – Special for Fixed Wing VTOL

- IMSI (International Mobile
Subscriber Identity) Catcher

- AIS (Automatic

Identification System)

Ultra Secure RF Link ←

(AES 256 Encryption)

Long Range ←

(up to 100 Km, extendable)

Operation under ←

harsh environmental

& electromagnetic conditions



INNOVATIVE UAS TECHNOLOGY



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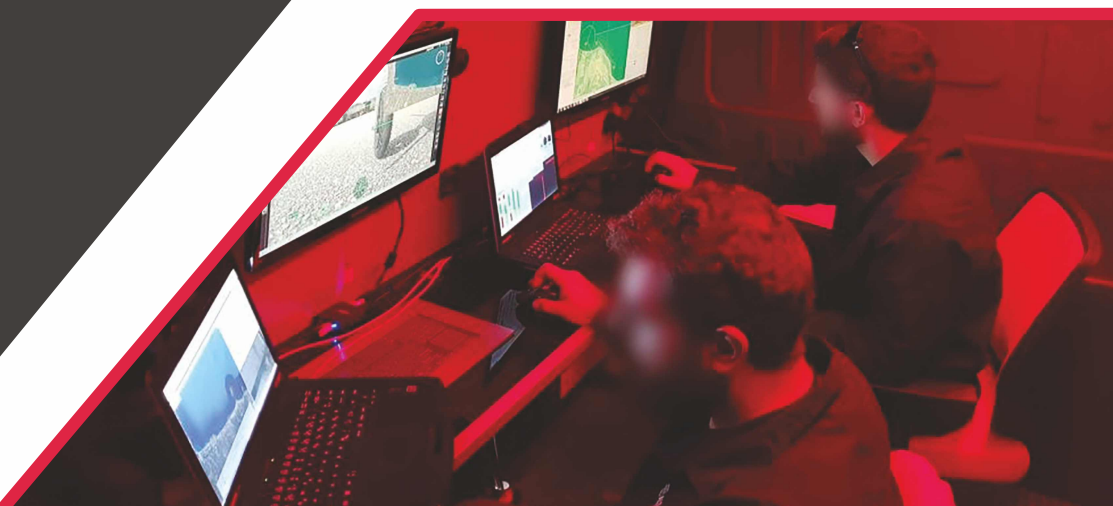
110 Marathonos Avenue
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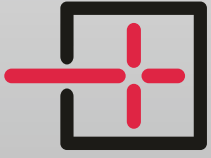
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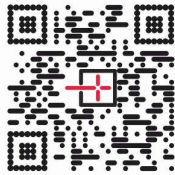
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EDOMON UAS - Overview

It is a reinforced fixed-wing and **vertical take-off and landing** platform with **long range and durability**, designed and built for convenience in use and speed of deployment in field conditions. It **employs a hybrid system** that produces propulsion and energy **based on a gasoline engine with built-in generator** that ensures continuous charging of the batteries during the flight. The modular design of the aircraft allows the **integration of multiple payloads** while minimizing the maintenance cost.



Technical Specifications

Dimensions (length – width – height) - **developed**: 1842x2717 [mm]

Maximum take-off weight (MTOW): 23 [kg]

Maximum Payload Capacity: 5 [kg]

Endurance: 7-10 [hrs] (depending on configuration)

Telemetry & Video Range: 100 [km] RLOS

Degree of Protection: IP55

Maximum flight altitude: 9000 [ft]

Positioning system: GNSS [GPS & GLONASS]

Frequency of communications: 2.4 [GHz]

Temperature operating range: -10 [°C] to +60 [°C]

Automatic Take-off & Landing: Yes

Number of personnel required: Two [2]

Propulsion system: Four (4) electric motors + IC Engine

Maximum Wind Speed conditions during T.O. & landing:

50 [km/h] – 13 [m/s] – 6 [bft]

Maximum Wind Speed conditions during cruise flight:

61 [km/h] – 16 [m/s] – 7 [bft]

EDOMON

Payload Options & GCS

