



**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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# 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

