

CoaxSentry - Autonomous Aerial Logistics System

Proprietary architecture: coaxial helicopter drone powered by **battery(1)** or **generator + ICE(2)**



1 - high payload version

MTOW **86 kg**
Payload **45 kg**
Endurance **1 h**
Range **60 km**
Speed **65 km/h**
SPL **70 dB@5m**

€20,000

target unit price in 2028 series

2 - endurance version

MTOW **86 kg**
Payload **30 kg**
Endurance **10 h**
Range **650 km**
Speed **65 km/h**
SPL **80 dB@5m**

€25,000

target unit price in 2028 series

EXTREME ENDURANCE

Efficiency + VTOL

Design allows extreme endurance and load capability enabling new use cases.

DESIGNED FOR SAFETY

Design is created with redundancies enabling safe flight

PHYSICS ADVANTAGE

Large rotors outperform multicopters by factor of 2x, more still at altitude 4km+

COST CUT BY SIMPLICITY

Simplified rotor pitch technology keeps the cost and maintenance low, control simple

ACOUSTIC SIGNATURE

Dramatically quieter than quadcopters.

Product is designed to be acceptable for safe urban operations and stealth missions

NO RARE EARTH MAGNET

No 3rd country suppliers outside of EU

USE CASE EXAMPLES

COMMS TRANSMITTER use case

CoaxSentry(version 2 = endurance) loiters at altitude **5km for 10hrs**, with **30kg of comms HW** to provide **comm link**

EMERGENCY LOGISTICS use case

CoaxSentry(version 1 = low noise) automatically delivers **45kg supplies 30km range at speed and safety superior to a car**

NEXT STEP (Project is TRL 5)

We are inviting interested partners and customers to discuss cooperation options and use-cases.

