

DEFENCE AND SPACE

# EURODRONE

Large Long Endurance RPAS



Co-funded by  
the European Union

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# Eurodrone

## Large Long Endurance RPAS



### Unmatched multi-mission capability

At 2.3 t (excl. fuel) and up to 40 h Eurodrone's payload/ endurance capability is superior to any other RPAS currently available. It features a datalink architecture in line with all relevant NATO standards and its ability to carry underwing payloads gives the users a true multi-mission capability ranging from IS(TA)R to Attack and in the future also maritime missions (incl. Anti-Submarine Warfare ASW) as well as Command, Control & Communications (C<sup>3</sup>) and Airborne Early Warning (AEW).



### Full integration into civil airspace

Eurodrone's certification against NATO STANAG 4671 Ed. 3 and applicable parts of civil aircraft regulations such as EASA CS-25 will allow the system to operate without limitations and along optimised flight profiles in non-segregated airspace. The segregation between the flight and mission chains will also make for easy future upgrades of the mission system.



### Safe and reliable flight

The design philosophy and certification baseline of Eurodrone will allow for safe and reliable operations in all kinds of environments and weather situations (incl. Arctic as well as Hot & High climatic conditions). Its twin engine configuration provides additional redundancy.



### Operational sovereignty

With Eurodrone, users have full sovereignty over system operations and data management with direct connectivity between the air vehicle and the users' networked infrastructure for exclusive and confidential data download, analysis and dissemination. Avoiding the use of ITAR components will make Eurodrone a truly sovereign RPAS.



## Design features



**Twin-Engines**



**Automatic Take-off and Landing (ATOL)**



**Traffic Collision Avoidance System (TCAS II)**



**Air Traffic Management Communications (CPDLC, ADS-B, etc.)**



**Detect and Avoid**



**Weather Radar**



**Lightning Protection**



**Ice Detection and Protection**



**Narrow/Wide Band redundant datalink architecture**



**Remote Pilot Visual Feedback**

## Mission Payload

Electro-optical/infrared (EO/IR) camera (Safran Euroflir™ 610)

Multi-mode AESA Surveillance Radar (Leonardo Gabbiano)

Line of sight/Beyond line of sight (LOS/BLOS) datalink

Warship Automatic Identification System (W-AIS)

5 hardpoints (1 centre line, 2 each per wing of up to 650 kg net)

Effectors (in accordance with MIL-STD-8591 and MIL-STD-1760E)



## Technical Data

Max Takeoff Weight	13 t class
Mission Payload	2.3 t
Engines	Twin Turboprop Avio Catalyst
Speed	up to 270 kt (~500 km/h)
Endurance	up to 40 h (depending on mission payload and profile)
Altitude	40,000 ft (12,200 m) class