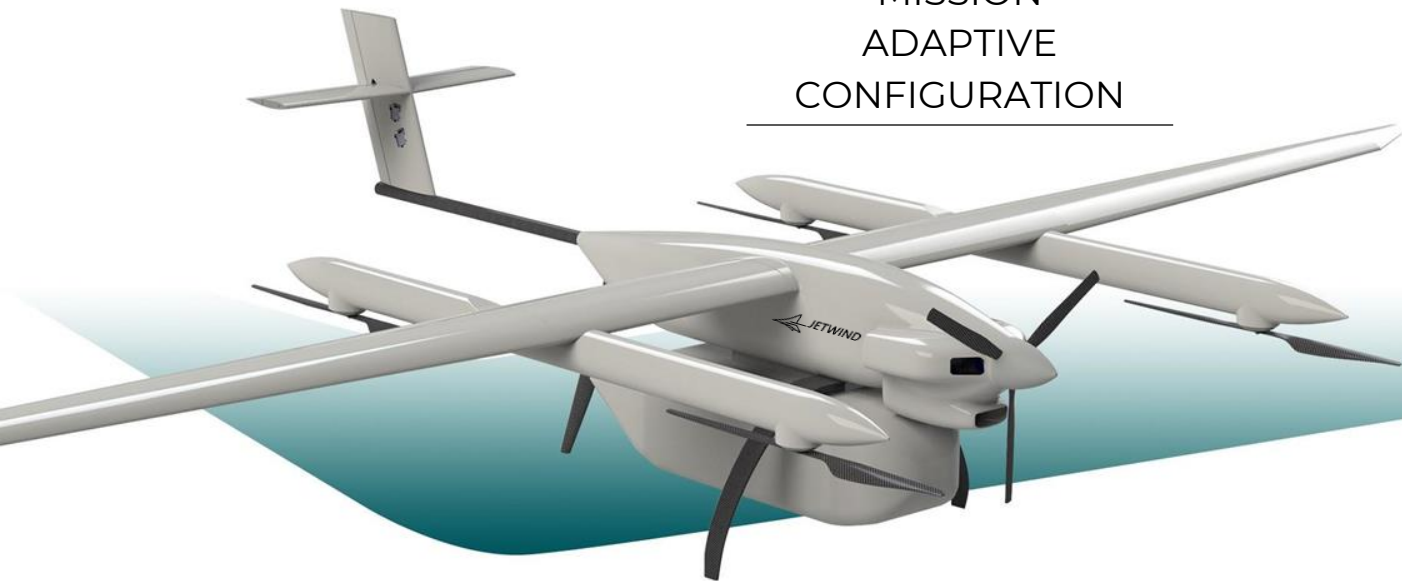




RQ - 17 ION

MISSION
ADAPTIVE
CONFIGURATION



JETWIND SYSTEMS

The JETWIND systems are fit for Long Range and Long Endurance missions, with low cost and high efficiency when compared with conventional platforms

There is a RQ-17 ION variant able to add value in your mission

State your requirements and we deliver the solution



FLEXIBILITY FOR THE BEST FIT

The RQ-17 ION is the first Remotely Piloted Aircraft (RPA) with reconfigurable layout. Wingtips and empennage can be removed and the nose changed, i.e., the aircraft can be converted from fixed wing to quadrotor and vice versa

When easy of operation, quick deployment and short endurance are required, the RQ-17 ION Quadrotor can perform tactical missions with excellence

For long endurance or long range just replace the nose, attach wingtips, empennage and launch the RQ-17 ION Fixed Wing to accomplish strategic mission



JETWIND RQ - 17 ION

FIXED WING

QC1 (1 FUNCTION)

Fixed wing only / CTOL



F1 / F1C (1 FUNCTION)

Fixed wing only / VTOL



F2 (2 FUNCTIONS)

Fixed wing / VTOL

Non tethered Quadrotor

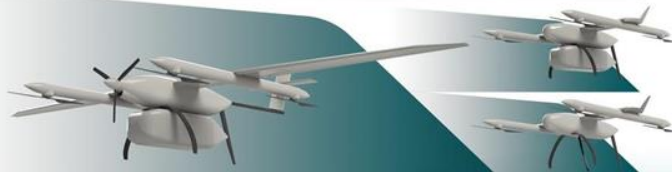


F3 (3 FUNCTIONS)

Fixed wing / VTOL

Non tethered Quadrotor

Tethered Quadrotor



QUADROTOR

QUAD 1 (1 FUNCTION)

QUAD 1C (1 FUNCTION)



QUAD 2 (2 FUNCTIONS)

Tethered Quadrotor

Non tethered Quadrotor



RQ-17 APPLICATIONS

		Performance ¹			
	Employment	Variant	Endurance	Range	Altitude
Cargo	Cargo up to 7 kg	QC1 ⁴	-	350 km	up to 1300 m
		F1C	-	200 km	up to 1300 m
	Cargo up to 3 kg	QUAD 1C	-	14 km	up to 120 m
Agri	Areas up to 8000 ha (3 working days)	QUAD1	25 min	up to 1,5 km	up to 120 m
	Areas > 8000 ha	F1	3,8 h	up to 120 km	
ISR	Strategic ⁵	F1	3,8 h	up to 120 km	up to 1300 m
	Strategic (> 10h, portable system or vehicle mounted)	QUAD2	up to 10 h	-	up to 120 m
	Tactical	QUAD1	25 min	up to 1,5 km	
	Multi-Mission ²	F2, F3	1,5 h (fixed wing)	up to 120 km	up to 1300 m
			25 min	up to 1,5 km	up to 120 m
Infra	General Surface Inspections	F1	3,8 h (fixed wing)	up to 120 km	up to 1300 m
		F2	3,8 h (fixed wing)	up to 120 km	
	Horizontal and Vertical Inspections ³	QUAD1	25 min	up to 1,5 km	up to 120 m
Com	Temporary Communications	QUAD2	up to 10 h	-	up to 120 m

1. ISA Standard (15 oC, sea level, barometric pressure 1013,25 mbar)

2. Police Forces, Fire fighters, Private Security, Environmental Monitoring

3. Powergrid lines, cables and towers

4. CTOL (Conventional Takeoff and Landing)

5. Extended Range available (extra fuel + satcom)

PAYLOAD

The RQ-17 ION is a payload agnostic platform, i.e., it can transport multiple sensors for multiple purposes. The combustion engine variants can generate onboard steady power up to 400 W for power consuming payloads

In the payload capability list are included:

Synthetic Aperture Radar (SAR)

Electro Optical / Infrared (EO/IR) cameras

Multi or hyperspectral cameras

Standard payloads from grams to 3 kg are suitable for RQ-17 ION variants however special sensors can also be airborne. Cargo variants FLC, QC1 (fixed wing) and 1C (quadrotor) are equipped with a belly cargo pod able to carry from 3 kg to 7 kg



INNOVATION IN FLIGHT LEVEL

WWW.JETWIND.COM.BR

