

VERSATYL MULE

HEAVY LIFT UAV SYSTEM

Aerial Logistics Transport
For Civil and Defense Operations



30 kg
PAYLOAD MAX



10 km
RANGE



45 min
AUTONOMY



< 10 min
DEPLOYMENT

KEY APPLICATIONS

DEFENSE

- Resupply in Challenging Environments
- Medical Transport
- Ship-to-Ship Transport

CIVIL

- Onshore Logistics
- Offshore Logistics
- Urgent Delivery

SKYDRONE DIFFERENTIATORS



ROBUST

Carbon Fiber Structure
Industrial-Grade Design
Engineered for Field
Operations and Harsh
Environments



MODULAR

Interchangeable
Payloads
Open Interfaces
Rapid Mission
Reconfiguration



SECURE

Encrypted
Communications
Automatic Fail-
Safe Modes
Geofencing

SYSTEM ARCHITECTURE



PILOT



REMOTE CONTROLLER



VIDEO LINK



DATA
LINK



DRONE



PAYLOAD BAG



DESIGNED &
MANUFACTURED
IN FRANCE



OEM
SUPPORT



AFTER-SALES
SUPPORT



PILOT
TRAINING

TECHNICAL SPECIFICATIONS

UAV SPECIFICATIONS	
Parameter	Value
Type	Electric Multirotor
MTOW	55 kg
Maximum Payload	30 kg
Empty Weight	25 kg
Wingspan	2286 mm
Height	650 mm
Deployment Time	< 10 min
Operating Temperature	0°C à 40°C
Maximum Wind Resistance	43 km/h - 12 m/s
Ingress Protection Rating	IP54
Release Hook	Manual/Automatic
Pilot Camera	Tilttable
Modular Architecture	Yes

PERFORMANCES	
Parameter	Value
Maximum Endurance	45 min
Maximum Operational Range	10 km
Cruise Speed	12 m/s
Maximum Speed	16 m/s
Charging Time	1h / Battery Set

CERTIFICATIONS & COMPLIANCE

- Compliant with Aviation Regulations
- SORA Compatible
- STS Scenario Compatible
- Designed & Manufactured in France



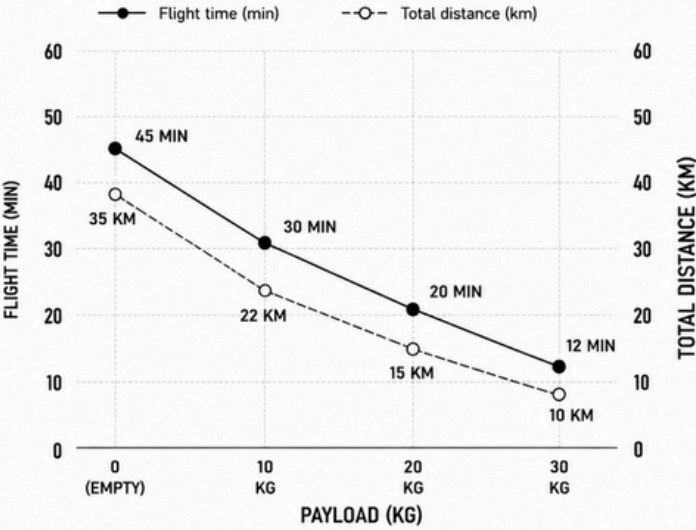
SAFETY & SECURITY FEATURES	
Function	
Automatic Return-to-Home (RTH)	
Smart Return to Home (SRTH)	
Geofencing	
Flight Termination System (FTS)	
Hardened Radio Communication Link	

GROUND CONTROL STATION (GCS)	
Parameter	Value
Screen	10-inch
Video Streaming	Continuous
Battery Endurance	3 h (per battery)
Ingress Protection Rating	IP54
Operating Temperature	0°C à 40°C
Weight	1,9 kg
Control Range (LOS)	8,5 km (Ant. Dir.)
Communication	2.4Ghz - AES128
Software	Skydrone Control
Mesh Relay Support	Yes
Mission Planning	Yes
Live Video Feed	Yes
Mapping	Yes
Mission Recording	Yes
Real-Time Telemetry	Yes

PERFORMANCE VS. PAYLOAD

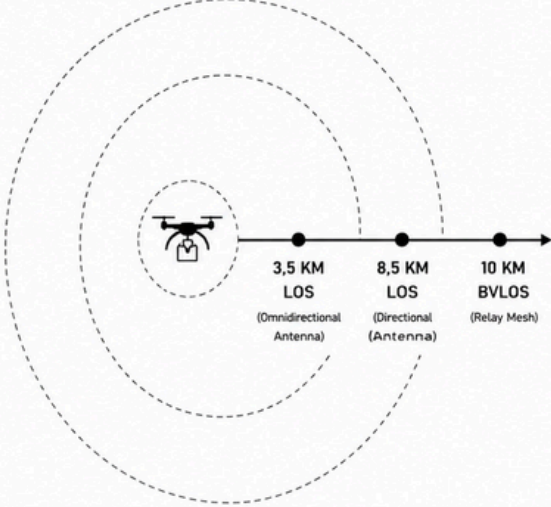
ENDURANCE & TOTAL DISTANCE

Available flight time (minutes) & Total distance (km)



OPERATIONAL RANGE

Maximum operational range (one-way with payload & return empty)



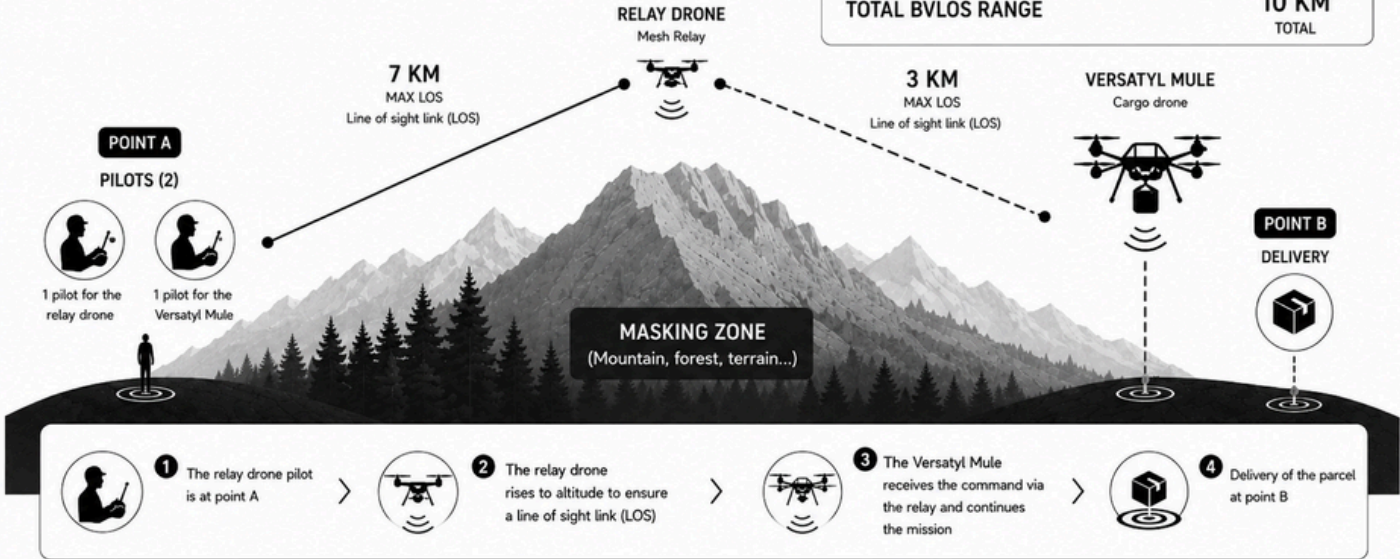
OPTIMISED PERFORMANCE

The values shown are maximum performances obtained under optimal conditions. They may vary depending on the environment operational, the mission profile and weather conditions.
Flight time corresponds to the maximum flight time until forced landing due to battery depletion.

	EMPTY (0 KG)	10 KG	20 KG	30 KG
Flight time (min)	45 MIN	30 MIN	20 MIN	12 MIN
Total distance (km)	35 KM	22 KM	15 KM	10 KM

MESH RELAY

PILOT LINK ↔ RELAY DRONE	7 KM MAX LOS
RELAY LINK ↔ VERSATYL MULE	3 KM MAX LOS
TOTAL BVLOS RANGE	10 KM TOTAL



SECURE COMMUNICATION
End-to-end encrypted links



OVERCOME OBSTACLES
Mountains, forests, terrain, NLOS areas



EXTENDED RANGE
Up to 10 km in BVLOS thanks to MESH relay



RELIABLE MISSION
Real-time monitoring and control

LOGISTICS & DEPLOYMENT



100 %

DISASSEMBLABLE

Brushless motors • Train
GPS • Chassis



< 10 MIN

DEPLOYMENT

No specific
tooling required



1

OPERATOR

Transport and
deployment



80 × 120 cm

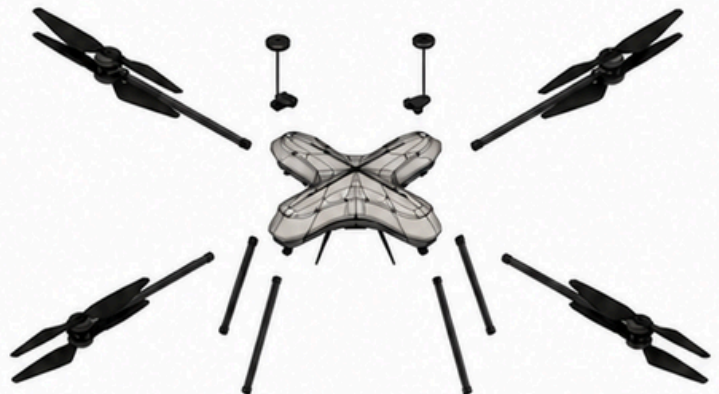
EUROPEAN PALLET

Compatible with transport
and storage

ASSEMBLED DRONE



DISASSEMBLED DRONE



OPTIMISED TRANSPORT



1 EUROPEAN PALLET
80 × 120 cm



VERSATYL MULE
DRONE



BATTERIES



REMOTE CONTROLLER



GROUND STATION



CHARGERS



SPARE PARTS
& ACCESSORIES

TRANSPORTED BY A SINGLE OPERATOR



✓ 1 operator

✓ Deployment < 10 min

✓ No specific
tooling required

✓ Transport in a
utility vehicle

✓ European pallet
transport (80 × 120 cm)

✓ Robust transport
cases IP67



COMPACT. ROBUST. OPÉRATIONNEL.

The Versatyl Mule has been designed to be easily transportable,
rapidly deployable and operational in all environments.