

AVIDRONE

BIRD DIVERTER INSTALLATION

Bird Diverter Installation on Power Lines
(DSOs & TSOs)



200 BFD
PER DAY



1 km
RANGE



5 installations
PER BATTERY



< 5 min
DEPLOYMENT

KEY APPLICATIONS

POWER GRIDS

- Bird Diverter Installation
- Conductor Birdcaging Prevention

ADVANTAGES

- Enhanced Operator Safety
- Reduced Installation Time
- Lower Operating Costs
- Environmentally Friendly Solution

SKYDRONE DIFFERENTIATORS



PRECISE

Centimeter-Level GPS
Positioning

Recording of Every
Installation Location
in an Exportable Data
File



EFFICIENT

< 2 Minutes per Installation
Up to 200 Installations per
Day

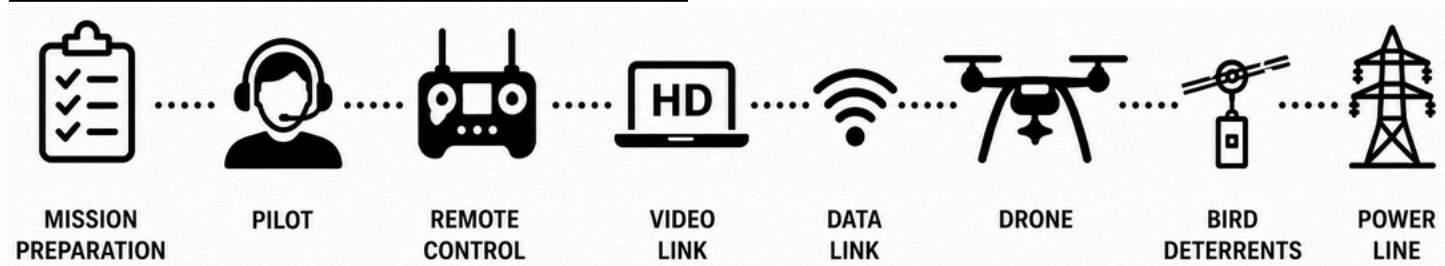
Operates in Hard-to-Reach
Areas (Lakes, Valleys, etc.)
Operates in Winds up to 40
km/h



SECURE

No Operator
Exposure to Live
Conductors or
Working at
Height

SYSTEM ARCHITECTURE



DESIGNED &
MANUFACTURED
IN FRANCE



OEM
SUPPORT



AFTER-SALES
SUPPORT



PILOT
TRAINING

TECHNICAL SPECIFICATIONS

UAV SPECIFICATIONS	
Parameter	Value
Type	Electric Multirotor
MTOW	4,9 kg
Maximum Payload	1,2 kg
Empty Weight	3,7 kg
Wingspan	600 mm
Height	600 mm
Deployment Time	< 5 min
Operating Temperature	0°C à 40°C
Maximum Wind Resistance	40 km/h
Supported Power Networks	DSO & TSO
Live-Line Operations	Oui
Electrical Insulation	110 kV

PERFORMANCES	
Parameter	Value
Maximum Endurance	6,5 min
Maximum Operational Range	1 km
Cruise Speed	10 m/s
Maximum Speed	12,5 m/s
Maximum Altitude	3000 m
Positioning Accuracy	Centimeter-Level (GPS)

CERTIFICATIONS & COMPLIANCE

- Compliant with Aviation Regulations
- OPEN A3 - 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)	
Safe Link Loss Handling	

GROUND CONTROL STATION (GCS)	
Parameter	Value
Model	GCS UniRC7 pro
Screen	7 pouces
Battery Endurance	5h
Ingress Protection Rating	IP54
Operating Temperature	0°C à 30°C
Weight	1,46 kg
Control Range (LOS)	5 km
Software	Skydrone Control
Mesh Relay Support	No
Mission Planning	Yes
Live Video Feed	Yes
Mapping	No
Mission Recording	Yes
Export Formats	KML / KMZ / GeoJSON
Real-Time Telemetry	Yes