



## tethered aerostat systems

**HEMERIA designs, manufactures and operates airborne ISR systems (Intelligence, Surveillance, Reconnaissance) based on tethered aerostats.**

✈ Uninterrupted 24/7 airborne surveillance, day and night

✈ Detection, recognition, identification and tracking of targets of interest

✈ Low operational costs, compared to the price per flight hour of traditional aircraft

✈ Widely visible systems that deter malicious acts

ground station with C2 (Command & Control) included

single or network deployment



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## A global offer

**Platform** - Supply of an airborne platform to interface with your payload and your system.

**System** - Supply of a global system answering your need for long term and long range surveillance or communication.

**Services & Operations** - We provide you with the ISR data (Intelligence, Surveillance, Reconnaissance) necessary to make a decision.  
Training of your teams to operate the system.

## Choose the most adapted system

	Tactical tethered aerostat systems "White Hawk"	Strategic tethered aerostat systems "Eagle Owl"	Sovereign tethered aerostat systems "Condor system"
Land surveillance	✓	✓	✓
Maritime surveillance		✓	✓
Security	✓	✓	
Intelligence	✓	✓	✓
Communication	✓	✓	✓

## Tactical tethered aerostat systems - "White Hawk"



Dimensions	Min. 4.4 meters in diameter - Several envelope dimensions are available, depending on the required payload.
Flying height	Up to 300 meters
Payload	Up to 20 kg Payload options: optronic gimbal, 4G relay, radio relay, WAMI, SIGINT and COMINT sensors
Persistence	Up to 10 days Landing is advised every 5 days to ensure system maintenance.
Wind speed limit	Up to 40 nd / 75 km/h
Deployment	2 operators - 45 minutes
Transport and storage	Tactical trailer in option

## Strategic tethered aerostat systems - "Eagle Owl"

Dimensions	Min. 19 meters long - Several envelope dimensions are available, depending on the required payload.
Flying height	Up to 600 meters
Payload	Up to 120 kg Payload options: optronic gimbal, radar, 4G or radio relay, WAMI, SIGINT and COMINT sensors.
Persistence	Up to 50 days Landing is advised every 7 days to ensure system maintenance.
Wind speed limit	Up to 60 nd / 110 km/h
Deployment	3 operators - 4 hours
Transport and storage	Containers



## Sovereign tethered aerostat systems - "Condor System"



Dimensions	31 meters long
Flying height	Up to 1,200 meters
Payload	Up to 250 kg Payload options: optronic gimbal, radar, 4G or radio relay, WAMI, SIGINT and COMINT sensors
Persistence	Up to 60 days Landing is advised every 15 days to ensure system maintenance.
Wind speed limit	Up to 70 nd / 130 km/h
Deployment	6 to 8 operators - 4 hours
Transport and storage	Containers

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