







# 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.

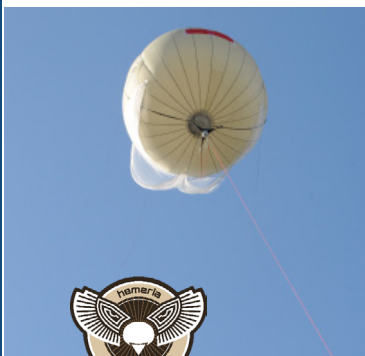
**System** - Supply of a global system answering your need for long term and long range surveillance or communication.

**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"



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

## Strategic tethered aerostat systems - "Eagle Owl"

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



## Sovereign tethered aerostat systems - "Condor System"



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

HEMERIA - 8, impasse Boudeville - CS 22324 - 31023 TOULOUSE - France

Tel : 33 (0)5 82 95 16 22 - sales@hemeria-group.com

www.hemeria-group.com

