



hemeria



OBSERVATION



COMMUNICATION

BalMan

Maneuvering stratospheric balloon

Maneuverability

Persistent and permanent platform

Fleet flight capacity

HEMERIA develops an innovative stratospheric balloon: the maneuvering balloon. This stratospheric balloon is able to pilot its trajectory in the stratosphere for both civilian and military missions.



Characteristics

Altitude	Between 16 and 22 km
Flight duration	Several months
Payload	Between 15 and 20 kg
Dimensions	Ø ≈ 20 m

BalMan operational concept



Our offer

Balloon platform

- Balloon vehicle and ground command/control

System

- Payload integration & turnkey system delivery

Flight operations

- Mission planning, launch, flight management, mission termination and payload recovery

Data supply services

- In partnership with data providers

Missions

ISR & Earth observation

- Maritime surveillance
- Border surveillance
- Wildfire management
- Environmental monitoring
- SIGINT

Connectivity

- Sensitive telecom relay
- Emergency telecom relay

Science

- Geoscience & astronomy
- Scientific research

Our added value

Persistence and permanence

- Long duration missions: 3-6 months
- Fleet flight capacity
- Persistence: 100 km x 100 km

Multi missions

- Payload versatile
- Discreet and silent
- Redundancy through fleeting

Easy to use

- Off-air traffic (>fl660)
- Remote balloon / fleet control
- Agile and light launch infrastructure

Cost-efficient & sustainable

- Onboard solar energy generation
- Payload recovery
- Attractive performance / price ratio

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