



hemeria

stratospheric balloons

HEMERIA designs and manufactures stratospheric balloons intended to carry scientific and technical missions up to 45 km into the stratosphere.



Low cost of access to the stratosphere



Flight persistence for long term missions



Large payload capacity



Two ranges : Zero pressure & Pressurized stratospheric balloons

European leader
55 years of heritage

long-time industrial partner of the CNES
(French space agency)



stratospheric balloons

Zero pressure stratospheric balloons

Altitude	Up to 45 km
Flight duration	A few hours up to several days
Payload	Up to 2 tons
Dimensions	Ø 60 up to 135 m (inflated) L. 88 up to 185 m (on the ground)



Pressurized stratospheric balloons

Altitude	Up to 20 km
Flight duration	Several months
Payload	Up to 50 kg
Dimensions	11 and 13 m

Standard range, other dimensions available on request

Innovative projects

BalMan, the maneuvering stratospheric balloon

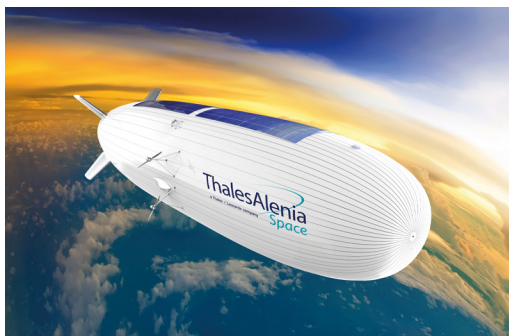
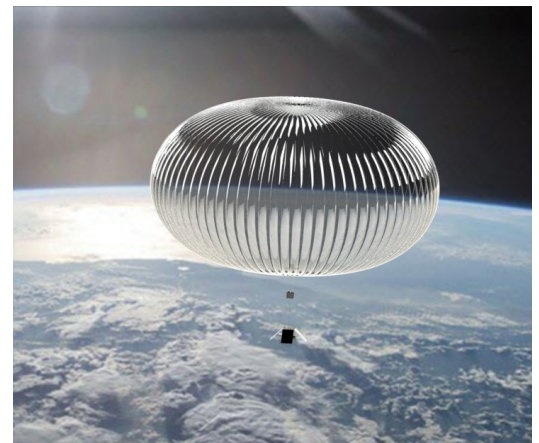
(for CNES - French Space Agency)

Within the framework of "France Relance", HEMERIA develops for the CNES an innovative stratospheric balloon: the maneuvering balloon.

This stratospheric balloon is able to pilot its trajectory in the stratosphere.

Benefits :

- A stratospheric balloon able to adjust its trajectory in the stratosphere
- Facilitate access to space at lower cost and environmental impact
- Flying over an area of interest for a longer time
- Reduction of logistical and operational constraints



Envelopes of the Stratobus™ project

(for Thales Alenia Space)

Since 2015, HEMERIA has been working with Thales Alenia Space on the Stratobus™ program. Stratobus™ is a stratospheric airship, which is halfway between a drone and a satellite.

HEMERIA is involved in the design and manufacture of the airship's envelopes.

Benefits :

- Long-term flight: up to 1 year in the stratosphere
- Able to stay in stationary position

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