



hemeria



OBSERVATION



COMMUNICATION

Satellite structures

From simple to complex panels

Thermal panels

Internal laser surface treatment

HEMERIA designs, builds, tests and integrates aluminum sandwich or monolithic CFRP structures used for all types of satellites and applications (commercial, defense, scientific).



OBSERVATION



COMMUNICATION

Approved: IRIDIUM NEXT constellation, PLEIADES NEO and ATLID HOUSING satellites...

Tools and means

- 5,000 sq-m ISO 8 clean room
- ISO 5 area
- Capacity to accommodate structures of up to 4 metres x 2 metres
- 2 drilling machines
- Internal laser surface treatment technology
- 3D control machines
- 3 heating press for panels bonding
- Equipped area with a handling bridge of up to 2 tons and with a ceiling height of 5.7 meters

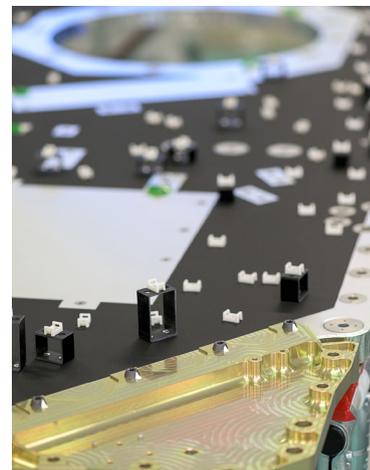


Technicity and process

- Aluminium or carbon fibre reinforced plastic (CFRP) skins
- Production follow-up in real time with digital tools
- Multi-density honeycomb
- Honeycomb curing, and drilling
- Inserts fitting cold and hot bonding
- Paints (PU1, etc.)
- Secondary surface mirrors
- Optical solar reflectors
- Panels finishing and equipment
- Static tests and final integration of the satellite structure
- Process qualification according to the environment of the mission (LEO, MEO, GEO, Exploration...)

Services

- Structure / harness / MLI synergies
- Oversized structure management (more than 3 m)
- Cost improvements
- Secure lead time
- Constellation and product line deliveries



HEMERIA

8, impasse Boudeville – CS 22324 – 31023 Toulouse Cedex 1 – France

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

www.hemeria-group.com

