



structures

HEMERIA designs, builds, tests and integrates honeycomb aluminum and carbon structures for Earth-observation, telecommunications, science satellites or constellation of satellites.

- ❖ Equipped area with a handling bridge of up to 2 tons and with a ceiling height of 5.7 meters
- ❖ Internal laser surface treatment technology
- ❖ From simple to complex panels (several density, embedded HP, External HP, doubler,...)
- ❖ High production rates
- ❖ Complete procurement management
- ❖ Controlled lead-times and costs

400
aluminum/CFRP
panels per year



**300 satellites in orbit with
HEMERIA equipment**

**Factory
4.0**
with connected
tools

approved on

- FALCON EYE - NILESAT
- IRIDIUM NEXT constellation
- GLOBALSTAR 2 constellation
- ATLID HOUSING structures
- PLEIADES NEO satellite

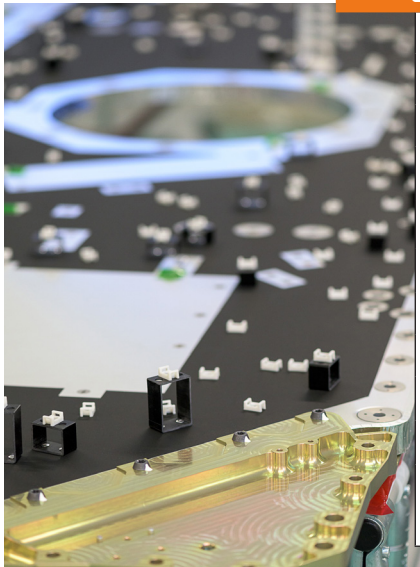


tools and means

- 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
- Finishing and equipping of panels
- Static tests and final integration of the satellite structure
- Process qualification according to the environment of the mission (LEO, MEO, GEO, Exploration...)

services

- Synergies structure / harness / MLI
- Design to manufacture
- Cost improvements
- Secure lead time
- Constellation and product line deliveries

