



structures

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

❖ High rate manufacturing

❖ Internal Laser surface treatment technology

❖ From simple to complex panels (several density, embedded HP, External HP, doubler,...)

❖ AIT capabilities for platform and instrument satellites up to 500 kg class

400
aluminum/CFRP
panels per year



200 Satellites flying with
HEMERIA equipment

Factory
4.0
with connected
tools

approved on

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

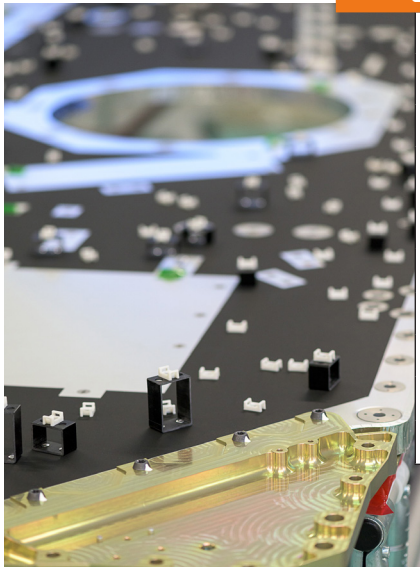


tools and means

- 2200 sq-m² 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
- AIT dedicate area in order to integrate satellites 500 kg class



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

services

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

