

structures

hemeria

HEMERIA designs, builds, tests and integrates honeycomb aluminum and carbon structures for Earth-observation and telecommunications satellites, as well as for science missions and constellations.

- 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

200 Satellites flying with HEMERIA equipment

Factory 4.0
with digital tools

400
aluminum/CFRP
panels per year



approved on

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

structures

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



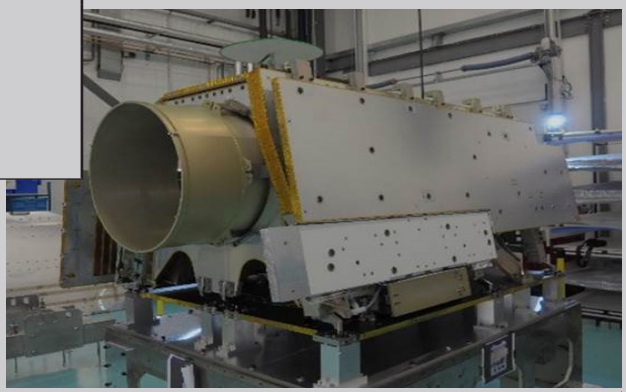
technicity and process



- 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



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