

**mli**  
(thermal protections)

**HEMERIA designs, manufactures, tests and integrates satellite and instrument thermal control subsystems.**

- ❖ Built to specifications capabilities
- ❖ Commitment on the schedule
- ❖ ATOX certified processes
- ❖ Complex MLI (LEO/MEO/GEO MLI's)

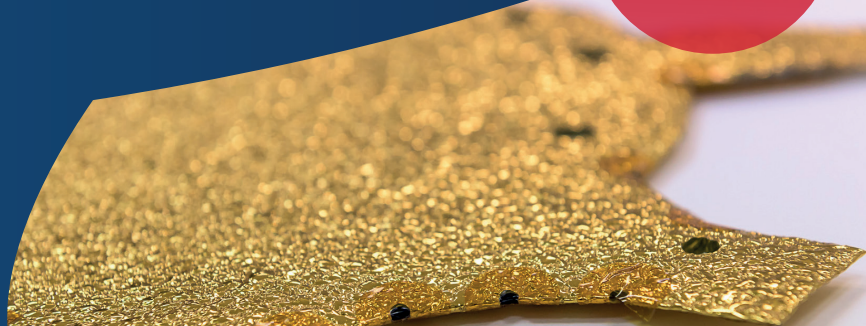
**2000**  
blankets  
per year



200 Satellites flying with  
HEMERIA equipment

**Factory**  
**4.0**  
with digital tools

**approved on**  
PLEIADES NEO satellites  
O3B constellation  
GLOBALSTAR 2 constellation  
CSO BUS MLI

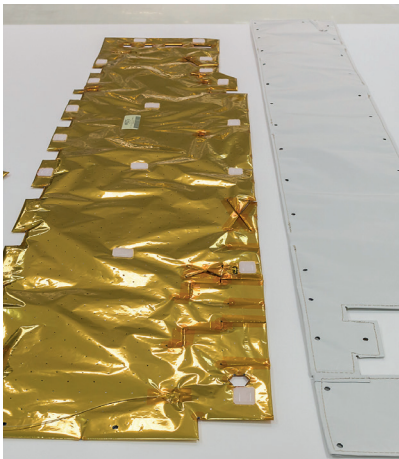


## tools and means

- 2200 sq-m<sup>2</sup> ISO 8 clean room
- ISO 5 area
- Qualified operators
- Sewing machines
- Software for cutting optimization
- AIT dedicate area in order to integrate satellites 500 kg class



## technicity and process



- Single-layer (SLI) and multi-layer insulation (MLI)
- Production follow-up in real time with digital tools
- Procurement and integration of heaters and thermistors
- Secondary support structures made from Kevlar or aluminium
- Sunshields
- Beta cloth MLI
- RF screens
- SIGRAFLEX® or CHO-THERM® seals
- Thermal insulation solutions meet project mission specifications (shadow edging, sun edging, atomic oxygen (ATOX) environment, use of titanium, etc.)
- Thermal insulation solutions meet requirements of leading space industry contractors
- MLI integration

## services

- Synergies structure / harness / MLI
- Design to cost
- Alternative Blanket composition
- Secure Lead Time
- Constellation and product line deliveries
- Worldwide deliveries

