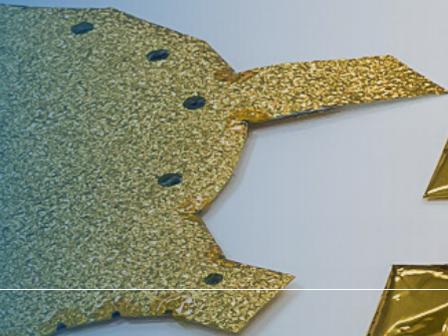




hemeria



OBSERVATION



COMMUNICATION

# MLI Multi-Layer Insulation

ATOX certified processes

Complex MLI (LEO/MEO/GEO)

Design to customer's specifications

HEMERIA designs, manufactures, tests and integrates satellite and instrument thermal control subsystems, used in all types of applications (commercial, defense, scientific).



OBSERVATION



COMMUNICATION

Approved on: PLEIADES NEO satellites, 03B & GLOBALSTAR 2 constellations, NILESAT-301...

### Tools and means

- 5,000 sq-m ISO 8 clean room
- ISO 5 area
- Qualified operators
- Industrial sewing machines
- Software for cutting optimization
- Equipped area with a handling bridge of up to 2 tons and with a ceiling height of 5.7 meters
- Bake-Out chamber
- In-house testing and qualification laboratory



### Technicity and process

- Thermal insulation solutions meet requirements of leading space industry contractors
- Process qualification based on the mission environment (LEO, GEO, Exploration)
- Single-layer (SLI) and multi-layer insulation (MLI)
- Production follow-up in real time with digital tools
- Procurement and integration of heaters and termistors
- Secondary support structures made from Kevlar or aluminium
- Sunshields
- Beta cloth MLI
- RF screens
- SIGRAFLEX® or CHO-THERM® seals



### Services

- MLI integration
- Structure / harness / MLI synergies
- Design to cost
- Alternative blanket composition
- Secure lead time
- Design, drawing, manufacturing and integration of small series into the constellation
- Worldwide deliveries

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