

Orbital systems
 Launchers
 Satellites
 Ground segments
 Balloons
 Transversal competencies

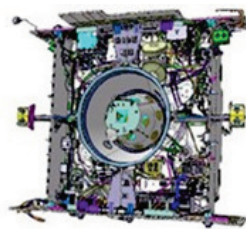
LATECOÈRE
 AEROSTRUCTURES & INTERCONNECTION SYSTEMS

LATecoere interconnection Systems is the brand name of LATElec which is 100% LATECOERE Subsidiary.

It is a specialist in electrical harnesses and electrical racks for aeronautic with a dedicated Business Unit for space activity located near Montpellier. It is involved in telecom, observations & sciences, launchers and exploration programs, constellations, for industrial prime customers (Airbus Defense & Space, Thales Alenia Space, OHB, LeoStella) or agencies (CNES, ESA, NASA).

COMPETENCIES & CAPABILITIES

- **HARNESS DESIGN:** Routing, Connectors Brackets, Tie base location, Layout drawings, From/to definition, connectors & contacts definition, Wires type definition & sizing (Voltage drop, current rating), shielding, over shielding & backshells definition, electrical drawings,
- **PARTS PROCUREMENT:** All components,
- **INDUSTRIALIZATION:** 3D Scale1 mock-up, Manufacturing files, Installation procedures,
- **MANUFACTURING/CONTROL/TESTS**
- **INSTALLATION:** On flight structures at customers Premises-Thermal hardware connection to Flying leads & final functional tests.



LATECOERE INTERCONNECTION SYSTEMS

PRODUCTS & SERVICES

Service Module (SM) & Communication Module (CM) harnesses for telecommunication programs (9,000 to 46,000 points)

Satellites Harnesses for Sciences & Observation missions (2,000 to 18,000 points)

Instruments harnesses (600 to 11,000 points)

Electromechanical assemblies like Fuse boxes (400 points)

Plugs with components (diodes, fuses, resistors)

Battery harnesses (1,100 points)

Main Processes used are Crimping, Soldering, Potting, Gluing, Lacing, Over shielding of harnesses (braids or aluminium tape)

Procurement of parts with PAD's sheet including sub-assemblies like 1,553 Milbus and RF harnesses

Harness tested in 1 time (15,000 points) with inhouse test bench

Thermal Vacuum Test Chamber (Bake out with/without TQCM, Thermal test)

MAJOR SPACE PROJECTS & REFERENCES

More than 200 harnesses for Telecom programs based on Eurostar & Spacebus platforms (SM &/or CM harnesses)

23 Myriade models (PF &/or CU) 3 Proteus platforms

4 Sentinel 1 models: satellite harnesses

4 Sentinel 2 models: MSI Instrument

4 Sentinel 5 models: UVN & IHAR & METIMAGE & IASING Instruments and participation to ATLID, GAIA, GEOLOC, GK2, GOMOS, MERLIN, MHS, PHARAO, PRISMA programs

5 ATV Models: Equipement Avionic Bay (EAB) Harnesses

3 ORION Models: European Space Module (ESM) Harnesses

2 Constellations: Globalstar 2 (24 models) & Blacksky (24 models)

POINT OF CONTACT

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TURNOVER > €350m

WORK FORCE 2000

SPACE TURNOVER €9m

SPACE WORK FORCE 80