

Orbital systems
 Launchers
 Space planes
 Satellites
 Transversal competencies



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Created in 1958, Thermocoax is a SPIRAX SARCO company since 2019. Thermocoax is a 320 employees company who has a leadership position in designing and manufacturing of temperatures sensors and heating systems based on homemade mineral insulated cable. 70% of the turnover is exported.

Over the last 20 years THX has been a strong player of main space OEMs and Tier companies.

COMPETENCIES & CAPABILITIES

Thermocoax operates on semiconductor, nuclear and aerospace sectors. We design, develop and produce temperatures probes and heating systems. We have our own R&D and Engineering team per sector. We manage prototypes and full qualification programs.

We are ISO-9001, ISO-9100, ISO-14001.

THX has a worldwide footprint with production sites in and 1 new facility located Caligny area in Normandy (France) and Alpharetta, GA(USA).



THERMOCOAX

PRODUCTS & SERVICES

Chemical Propulsion :

- Catalyst bed heater.
- Catalyst bed thermocouple.
- Electronics pressure regulation heater.
- Non-pyrotechnic fuel valve heater.

Electrical Propulsion :

- Magnetic coils
- Heating ring
- Cathode heating plate
- Hollow cathode heater

Thermal Management

- Heating element for heat pipes and Mechanical Pump Loop systems.
- Multispectral camera

MAJOR SPACE PROJECTS & REFERENCES

Venus satellite

Rover CURIOSITY

Planet constellation

Eurostar E3000 & NEO (Eutelsat, SES, Immarsat, Astra..)

Spacebus Neo (SES17, Syracuse IV, Konnect VHTS...)

SKYBOX Planet Constellation

Electrical propulsion: PPS1350 & 5000

Non-toxic Green propellant propulsion : HPGP, Halcyon..

Hydrazine propulsion : MHT1...

POINT OF CONTACT

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TURNOVER 55 M€

WORK FORCE 320 employees

SPACE TURNOVER 3,5 M€

SPACE WORK FORCE 25 employees