

Satellites
Transversal competencies



Created in 1965, Axon' Cable is a French group specialized in the design and manufacture of cables and interconnect solutions for high tech applications. The range of products is very large: high performance wires, hybrid cables, cable assemblies, mini-systems, miniature connectors, metal-plastic components, and elastomer components. With over 2300 staff worldwide, the company is implanted in Europe, Asia and in America.

COMPETENCIES & CAPABILITIES

Involved in numerous space projects in orbit and beyond over 25 years, Axon' Cable has a wealth of experience in designing and manufacturing interconnect solutions able to withstand the stresses of launch and the harsh space environment.

Taking into account the NewSpace requirement, Axon' has developed adapted interconnect solutions and connectors.

The company is equipped with **ISO7 clean rooms** with very stable temperature and humidity control and the company has experience in working with planetary protection and bioburden requirements.

Axon's manufacturing harness capability consists of highly skilled and experienced operators accredited to **ESA and IPC standards**.

Our space team is able to support your space projects with all appropriate documentation.



AXON' CABLE

PRODUCTS & SERVICES

Axon' offers a complete service from the choice of material or components, to the design, routing, manufacturing, test and qualification of your products. 2D or 3D cabling boards can be developed to ensure perfect integration at customer's facilities.

Axon' can design the harness while working directly on a real scale mock-up provided by the customer.

The scope of products offered by the company is extensive:

- ESA connectors and wires for spacecraft cabling
- Cable assemblies and harnesses terminated with various connector styles.
- MIL-STD-1553 bus harnesses for data transmission
- High speed assemblies including SpaceWire and very high speed links up to 10 Gb/s
- Microwave coaxial cable assemblies up to 50 GHz
- Bus bars for power distribution in spacecraft
- Bespoke interconnect solutions

MAJOR SPACE PROJECTS & REFERENCES

Major space projects:

Rocket launchers, ISS, Mars rovers, LEO and GEO satellites, manned and unmanned flights, thrusters, space research and experimental equipment.

References:

Ariana, Alphaspace, Curiosity, Bepi Colombo, Eurostar, ExoMars, Insight, Maven, Mangalyaan, Sentinel, Vega, Solar Orbiter, Oneweb, etc.

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TURNOVER 157 M€ - consolidated

WORK FORCE 2360 employees worldwide

SPACE TURNOVER

SPACE WORK FORCE