

Ground segments
Transversal competencies

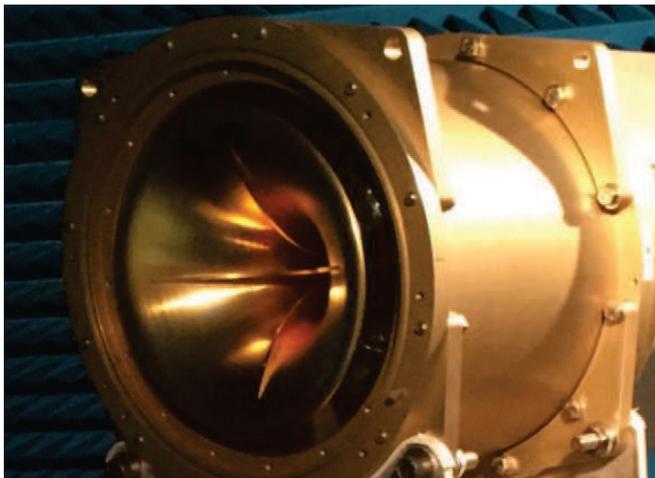
Callisto

Callisto was founded in 1993 by Steve Rawson. Over this time, our company has undertaken a wide range of engineering consulting projects, building a reputation as a highly skilled partner to satellite operators, integrators and equipment manufacturers. Since 2018, we are part of Celestia Technologies Group, thus widening our capabilities.

COMPETENCIES & CAPABILITIES

Callisto designs, manufactures and markets high performance Low Noise Amplifiers (LNAs) with associated hardware and software to cope with G/T Ground Stations challenges. Thanks to our expertise in Radio Frequencies and Cryogenic Systems, we also provide a set of services, particularly for ESA such as consultancy, engineering services, equipment design, system integration and thermal cycling test.

Callisto is located near Toulouse, France where we have laboratories equipped with radiofrequency instruments and cryogenic test facilities.



CALLISTO FRANCE SAS

PRODUCTS & SERVICES

Callisto is a leading supplier for Deep Space communications (i.e space-exploration missions to the planets), Earth Observation, VLBI, Radio Astronomy & Satcoms.

Callisto develops ambient Low Noise Amplifiers (LNAs) and Ultra-low noise performance by cryo-cooling the electronic RF components of the amplifier circuits. This ultra-low noise technology originally developed by our company for ESA Deep Space applications, reinforces the value chain for other applications such as Earth Observation where the benefit is a reduction in the size and costs of ground antennas. Callisto's unique zero maintenance cryogenic LNA reduce operational costs compared to traditional cryo-systems.

Callisto offers services such as Ground Station Engineering, consultancy engineering services, equipment design, integration and Cryogenic thermal cycling test from 15K to 333K.

MAJOR SPACE PROJECTS & REFERENCES

Here are our major space projects:

- Study on the use of 25.5-27GHz Band in ESA ground stations.
- Future Architecture of ESA Deep Space Stations.
- Study on Future Multiple Uplink per Aperture Access Scheme.
- Orbit to Ground Propagation Measurements to De-Risk Future EO Missions.

Our clients (such as CNES, ESA, ISRO, Thales Alenia Space, Eumetsat, Safran, Inmarsat, Sofradir, Airbus D&S, Vertex, MT Mechatronics) enjoy a totally dedicated service, with flexibility to meet the client's requirements. Callisto is a company recognized and listed as an SME by the European Space Agency.

POINT OF CONTACT

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TURNOVER > €1,5m (2019)

WORK FORCE 12 (2019)

SPACE TURNOVER €1,5m (2019)

SPACE WORK FORCE 12 (2019)