

Satellites  
Ground segments  
Transversal competencies

# PLANEXUS

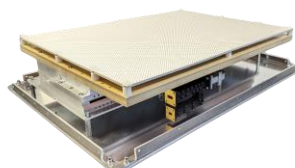
Planexus designs and develops innovative Satcom antennas for on the move and on the pause very high throughput connectivity.

Our patented technologies are at the heart of our ultrawideband antennas, using one and only one radiating aperture for both Tx and Rx links in K/Ka band. Our antenna solutions are more compact, lighter, highly efficient and at a lower cost.

## COMPETENCIES & CAPABILITIES

Planexus is a specialist in the field of electromagnetism, and in particular in the design and development of ultrawideband Satcom antennas. Our expertise includes:

- Radio Frequencies
- Wideband antenna simulation, design and manufacturing
- Polarizer design and manufacturing
- User terminal development and integration



K/Ka-band shared aperture antenna



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## PRODUCTS & SERVICES

Our products and services include:

- Off the shelf antennas:
  - K/Ka-band shared aperture low profile Satcom antenna
  - Very high gain / low losses K/Ka-band Satcom antenna
- Custom antenna and polarizer design and development
- Co-design and specific studies
- Consulting services in antenna design
- Measurements and testing of wideband antennas (partnership with IETR)

## MAJOR SPACE PROJECTS & REFERENCES

Planexus is a deep tech startup founded in December 2022 as a spin-off of IETR. Our references include:

- Two antenna prototypes for Satcom applications
- Industrial contracts with Thales
- Projects to be launched with space agencies (CNES, ESA) and the French Defense Agency to mature new ultrawideband terminals for Satcom applications.
- Planexus is a winner of i-Lab 2022 and an incubatee of the ESA BIC Program

## POINT OF CONTACT

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**TURNOVER**

**WORK FORCE** 5

**SPACE TURNOVER**

**SPACE WORK FORCE** 5