Anteral

From Navarra to Space

www.anteral.com

About us

Anteral is formed by a high-qualified and multidisciplinary team able to face the most demanding challenges. Our main goal is to impulse the technological innovation while we try to meet the needs of modern society.

Our committment with the client necessities results in a company with a culture based on innovation, team building and self-improvement. Following this culture, Anteral develops innovative technology in the fields of antennas, passives and radar technology for space, telecommunications, defence, smart cities and industry and academia sectors, among others.

ANTENNAS & PASSIVE COMPONENTS

Anteral counts with a large heritage in the development of antennas and passive components fulfilling the most demanding requirements and state-of-the-art specifications. Anteral designs, fabricates, and tests its devices based on high quality rules and processes. Thanks to its large heritage on the Aerospace sector, where Anteral counts with its developments on board of more than 12 satellites, Anteral offers outstanding performance products that can be of great relevance for many applications and uses.

RADAR TECHNOLOGY

Anteral has made used of its knowhow on the RF field to develop its own radar products under the brand uRAD, with the aim of boosting innovative applications.

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Our capabilities

+ 20 space projects
+ 10 years of experience in the space sector
+ 10 developments in orbit

CONVENTIONAL SATELLITES

GROUND SEGMENT

LAUNCHERS

NEW SPACE & SMALLSATS

INNOVATION IS IN OUR DNA

Highlights:

- Very agile design
- Ad-hoc design and COTS
- Complete feed-chain design
- Lightweight and compact systems
- Expertise in spline and corrugated horns
- Filter design up to 500 GHz
- Very low axial ratio systems
- Additive manufacturing

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Clients & Partners

Clients in more than 50 different countries trust in us. Leading companies all over the world believe in our capabilities to face the most demanding challenges.

AIRBUS DEFENCE & SPACE

esa

gmv INNOVATING SOLUTIONS

indra

ThalesAlenia Space
a Thales / Leonardo company

KAIST

JPL
Jet Propulsion Laboratory
California Institute of Technology

SATCUBE

U.S. AIR FORCE

L3HARRIS™
FAST. FORWARD.

NASA

TAMPA MICROWAVE™
A THALES COMPANY

PARADIGMA technologies

U.S. NAVAL RESEARCH LABORATORY

LCDC TELECOMS

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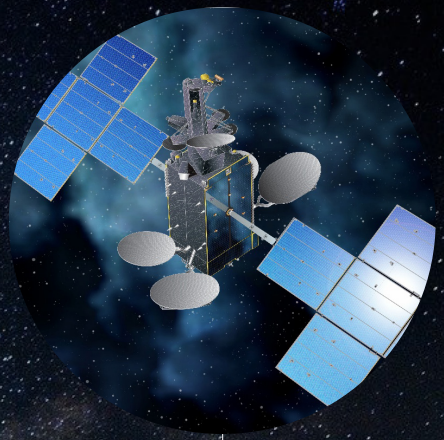
Heritage in space programs

2011

Amazonas 3

Spline horn antennas (Ka band)



2014

Hispasat 1F

Spline horn antennas (Ka band)

2010

Anteral's birth

2012

Measat 3B

Corrugated horn antennas (X band)

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2014

SES-10

Corrugated horn antennas (Ku band)

2015

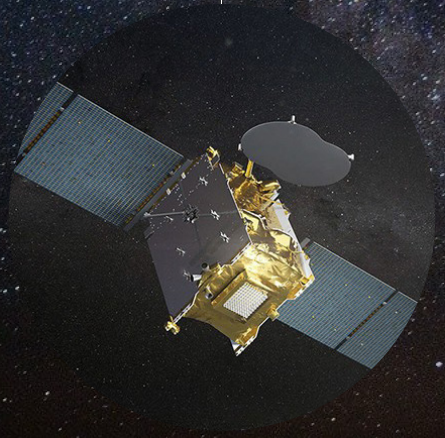
SES-12

Corrugated horn antennas (Ku band)

2015

Amazonas 5

Spline and corrugated horn antennas and polarizers (Ka and Ku bands)



2017

Quantum

Spline horn antennas, filters and OMTs (Ku band)

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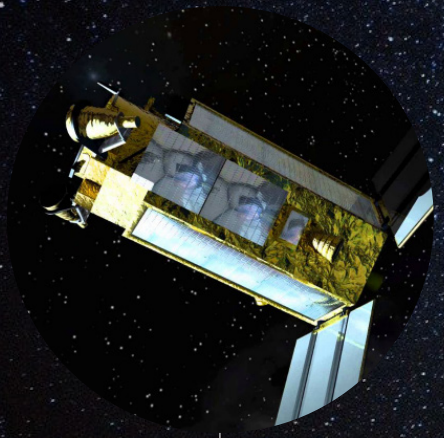
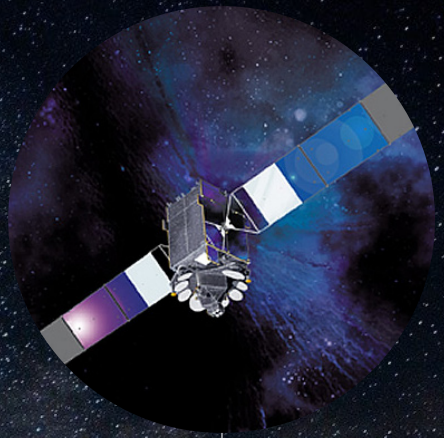


2017

Egypsat

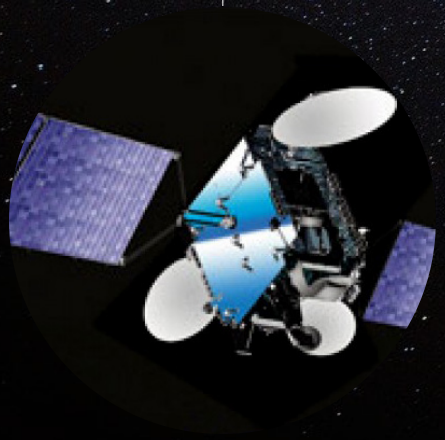
Corrugated horn antennas (Ka band)



2019

Spainsat-NG

Spline horn antennas, filters and OMTs (X band)



2018

Kmilsat

Corrugated horn antennas, polarizers and diplexers (X band)

2021

Coala project

Conformal antennas (C, L & S bands)

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2021

Miura-1

Conformal antennas
(C, L, S & UHF bands)

2023

Space Rider

Safety antennas
(C & UHF bands)

WHAT COMES NEXT?

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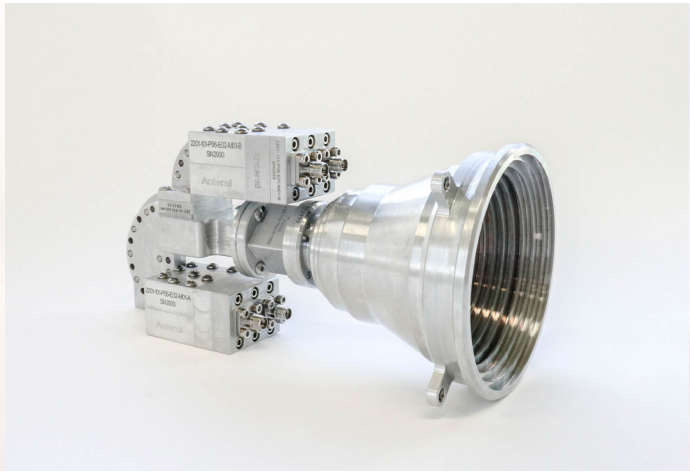
Featured designs

X band
Dual-circular polarized antenna

2 ports
Gain 16 dBi
Axial Ratio 0.25 dB



K/Ka band
Dual-circular polarized antenna

4 ports
2U size
Isolation 70 dB
Axial Ratio 0.8 dB

K/Ka band
Dual-circular polarized antenna

Additive manufacturing
Whole band 17 -31 GHz
Gain 21 dBi
Axial Ratio 0.8 dB

Edificio I+D “Jerónimo de Ayanz”, Calle Tajonar 22, 31006
Pamplona (Navarra), SPAIN

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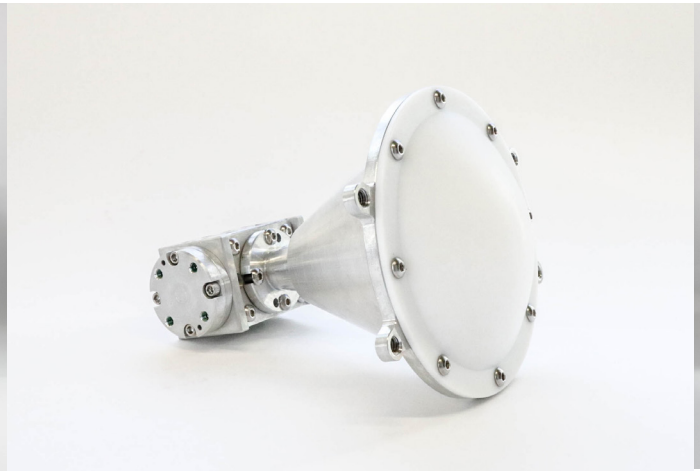
Ka band

Dual-circular polarized lens horn antenna

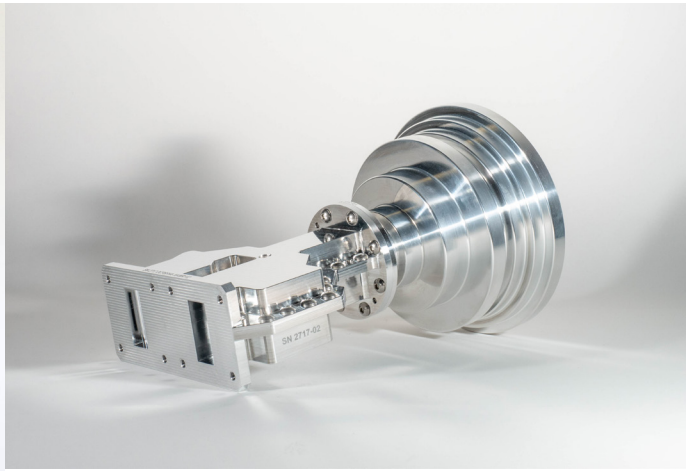
2 ports
Gain 30 dBi
Axial Ratio 0.8 dB



Q band

Dual-circular polarized lens horn antenna

2 ports
Gain 28 dBi
Axial Ratio 0.3 dB



X band

Dual-circular polarized antenna, “Circumplexer”

2 ports
Axial Ratio 0.5 dB
Isolation 70 dB

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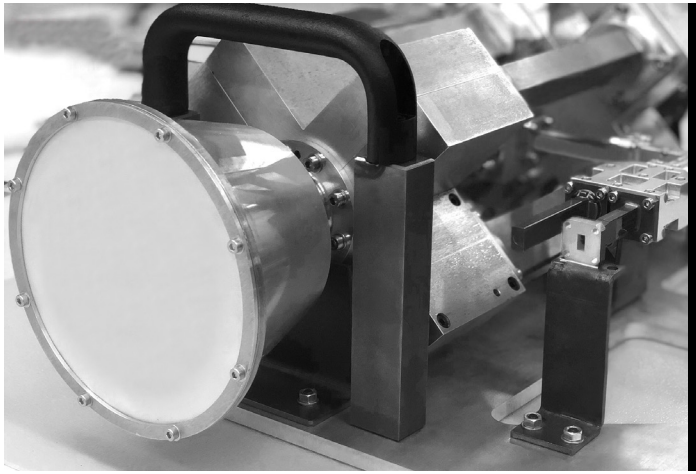

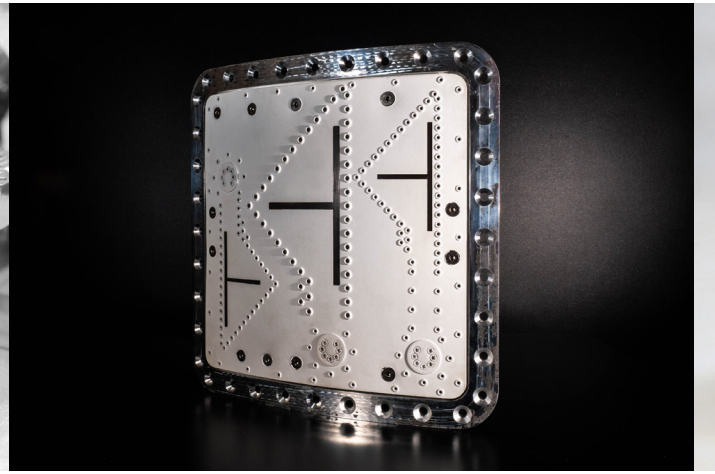

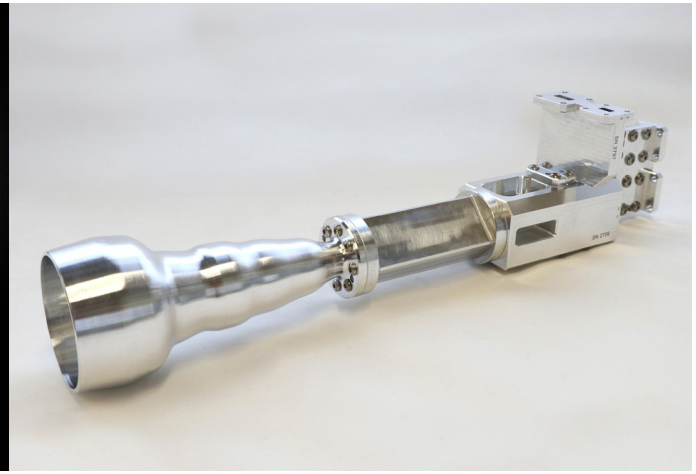

X-K/Ka band
Dual-circular polarized antenna

For ground stations
8 ports
Axial Ratio 1 dB
Isolation 100 dB

C, UHF, L, S bands
TT&C, FTS and GNSS Antennas

Planar and conformal
Lightweight design
Linear and circular polarization
Large coverage area

K/Ka band
Dual-circular polarized antenna

4 ports
Whole band 17 -31 GHz
Isolation 80 dB
Axial Ratio 0.6 dB

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LET'S FLY TOGETHER!

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