

ESA Technology Broker Spain



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Intellectual Property and ESA Patents

- ESA Patents, *Mercedes Sánchez Álvarez, ESA*
- Success Stories
 - SENER, *Laurence Megret*
 - EOSOL Group, *Gonzalo Crespo López*
- Promoted ESA Patents, Pons IP, *Isabel Marco*
- Ip for Commercialization program, *Noelia Sánchez Ortiz, Arribes*



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Mercedes Sánchez ESA Patents





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Success Stories



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Laurence Megret SENER AEROESPACIAL



28/03/2025



ESA Space IP Market Day

USBS

Satellites in formation

- Large antennas (>100m) are needed to improve resolution



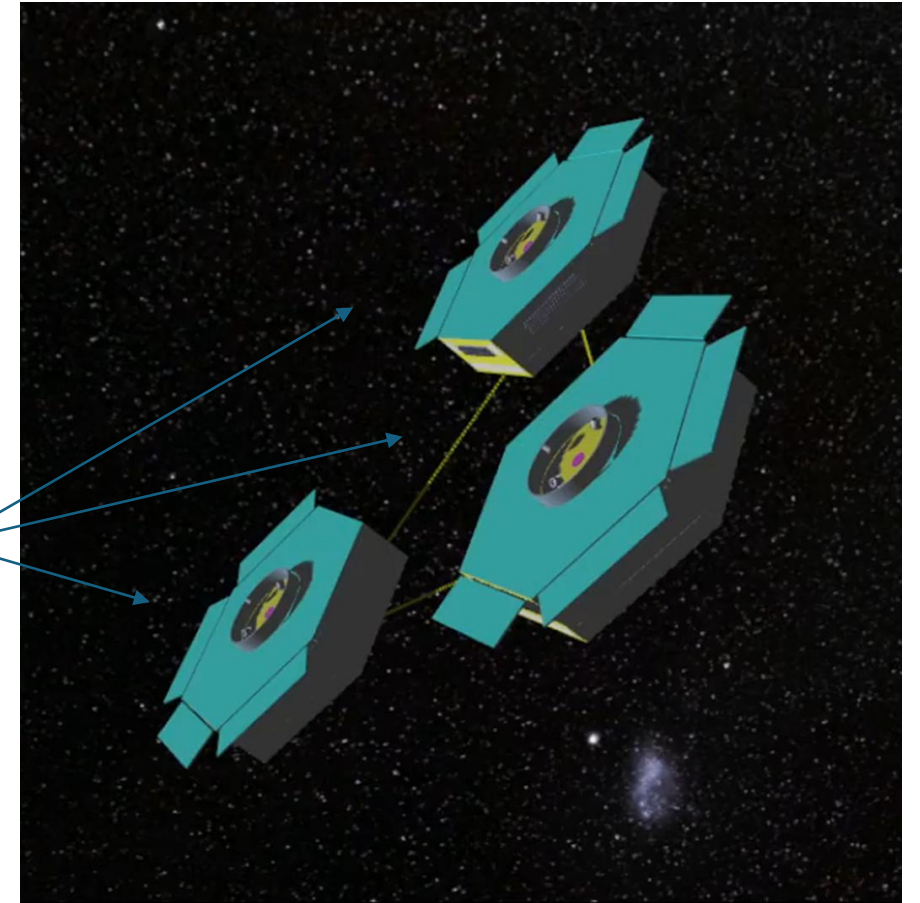
- Too large for a single satellite!



- Groups of Satellites operating together as a unique antenna

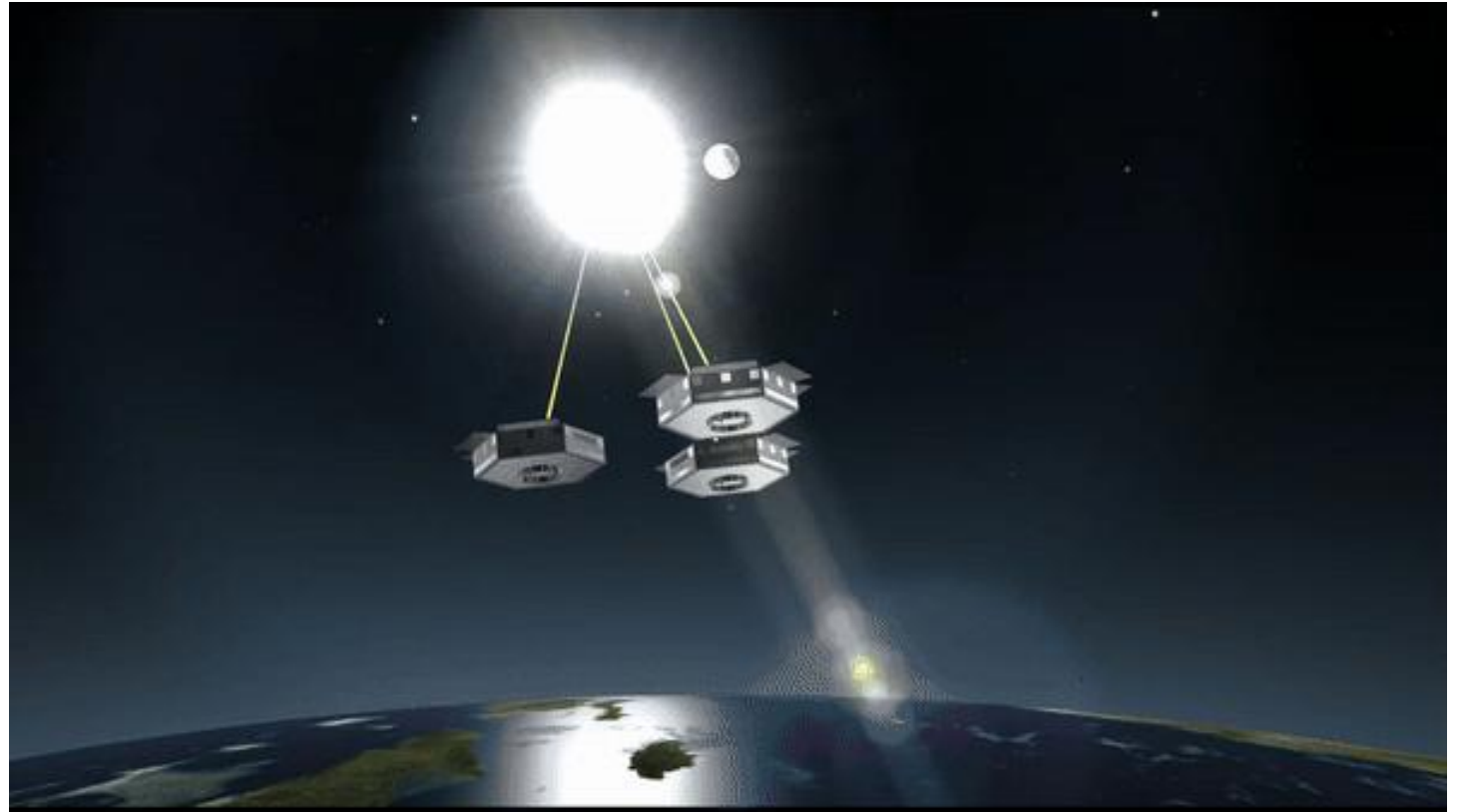


- Synchronisation of satellite clocks is required



Satellites in formation

TriHex is an example from ESA as a follow on mission of SMOS



THANK YOU

 www.aeroespacial.sener

 www.linkedin.com/company/sener

 www.youtube.com/user/senerengineering



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Gonzalo Crespo

EOSOL





Servicios especializados de ingeniería para sectores estratégicos
(Energía, Industria, Automoción, Infraestructuras,
Telecomunicaciones, Ciencia, Espacio y Defensa)

Comprometidos con el futuro mediante el desarrollo de
energía limpia, tecnología sostenible e innovación

Empresa española con oficinas en 12 países
y presencia en más de 40 países

EOSOL Tech

- **Aerospace**
- Automation
- Analytics
- AgroTech
- HelixNorth

EOSOL Engineering

- Energy
- Industry
- Water and Civil Works
- City and Territory
- Construction Consultancy

EOSOL Services

- Solutions
- O&M
- FTS

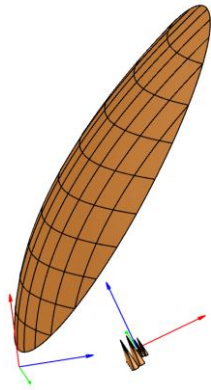
EOSOL AEROSPACE

Specialized in antennas & RF/mmW solutions
for Space, Defense, Ground Stations and Science

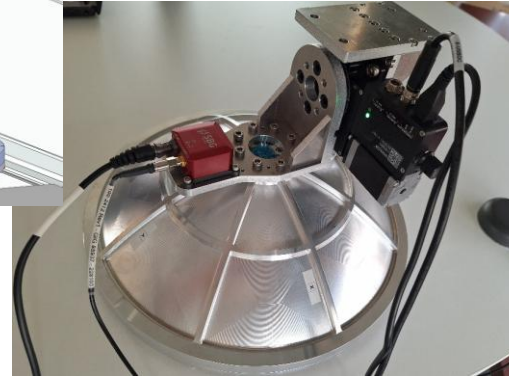
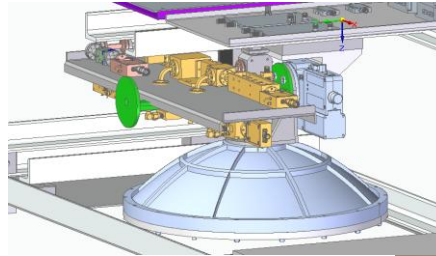


Trabajar con la Agencia Espacial Europea (ESA)

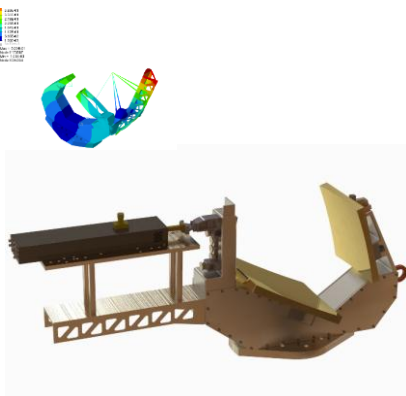
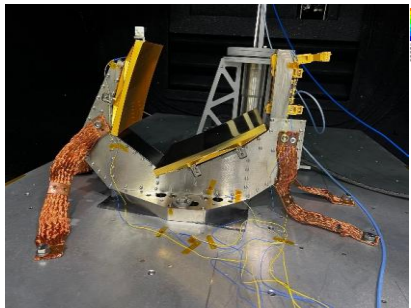
Desde 2020 trabajando ininterrumpidamente con la ESA en proyectos de antenas y radiofrecuencia.



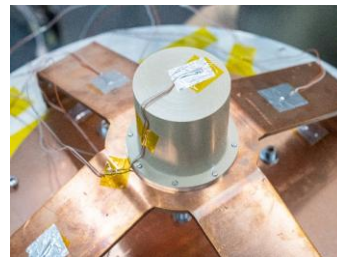
CRYO 2020-2022



AMAPS 2022-2024



VAST 2021 - 2024

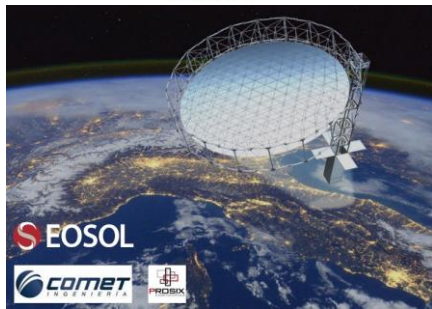
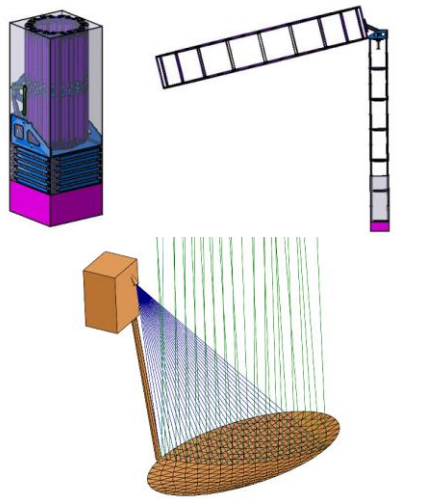


A4UC 2023 - 2024

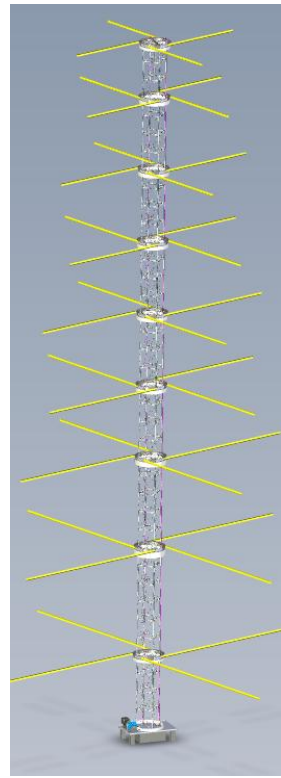


Trabajar con la Agencia Espacial Europea (ESA)

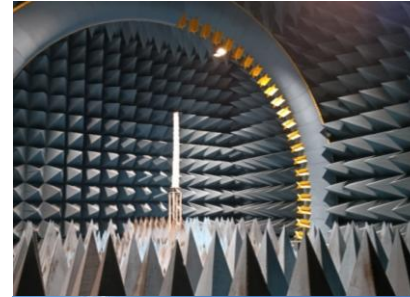
Desde 2020 trabajando ininterrumpidamente con la ESA en proyectos de antenas y radiofrecuencia.



DERE 2020 - 2024



VDEA 2023 - 2025



STRA 2024 - 2026



Programa OSIP y Patentes de la ESA

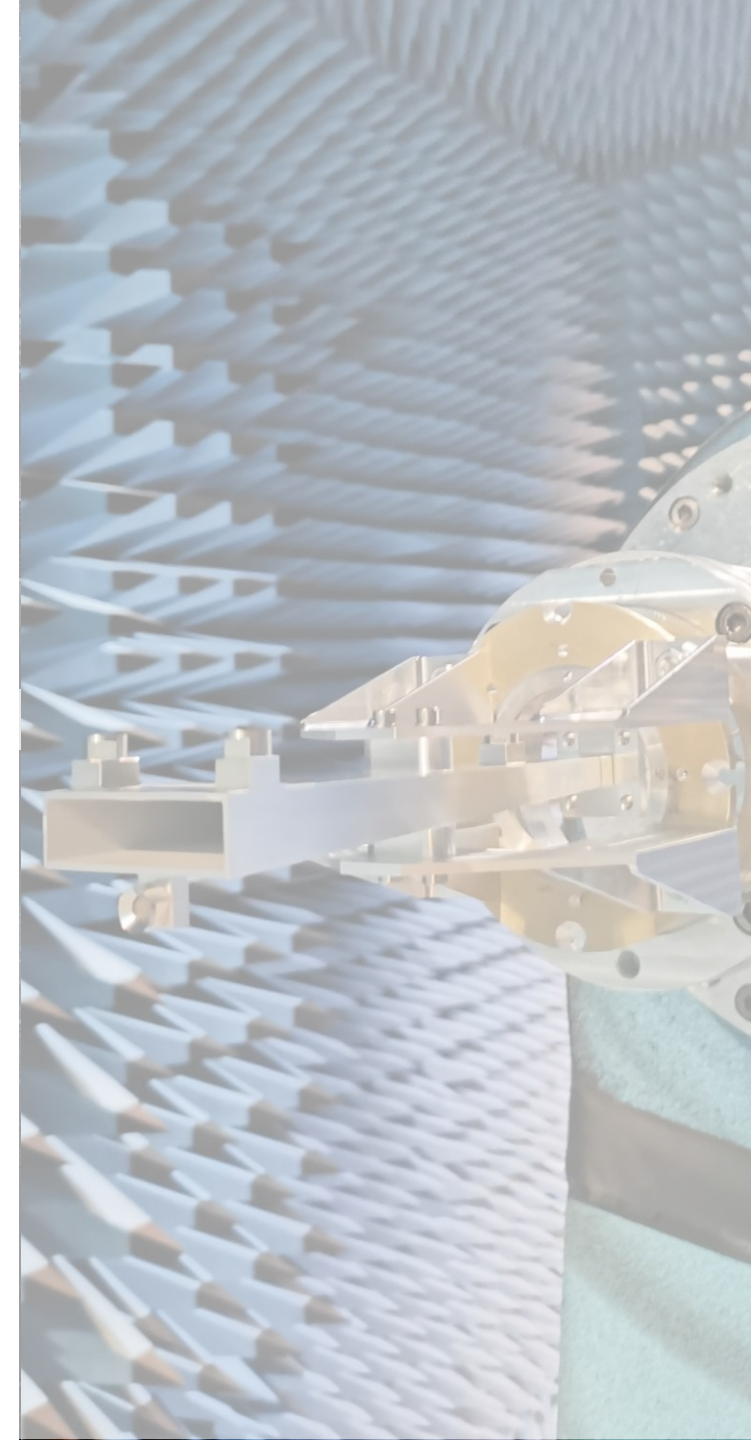
The Open Space Innovation Platform (OSIP)

The platform is the main entry point for novel ideas into ESA, both in response to specific problems and through open calls for ideas.

Anybody is welcome to submit ideas for new space technologies and applications via OSIP.



KAME - A NOVEL KA-BAND TM01 MODE EXTRACTOR FOR GROUND APPLICATIONS FEEDS



Contacto

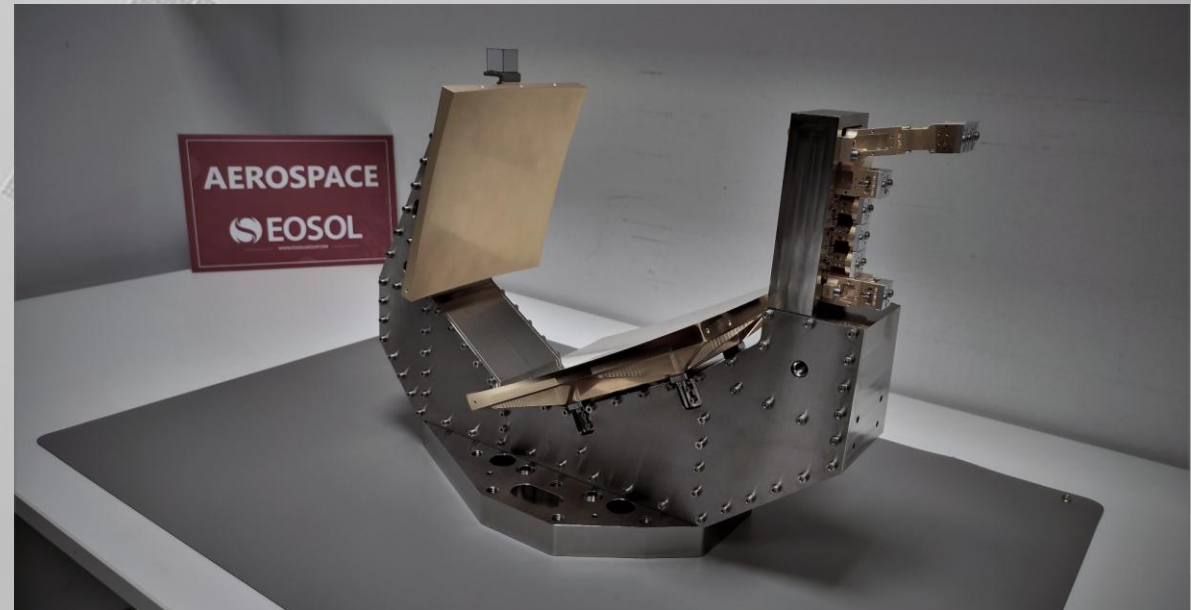


EOSOL Aerospace

Calle Camino de Labiano 45A,
31192, Mutilva
España

aero@eosolgroup.com

Tfno: +34 948 24 54 56



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Isabel MARCO PONS IP



Ip for Commercialization program, Noelia Sánchez Ortiz, Arribes

IP for Commercialization, Part of ESA Technology Broker Spain

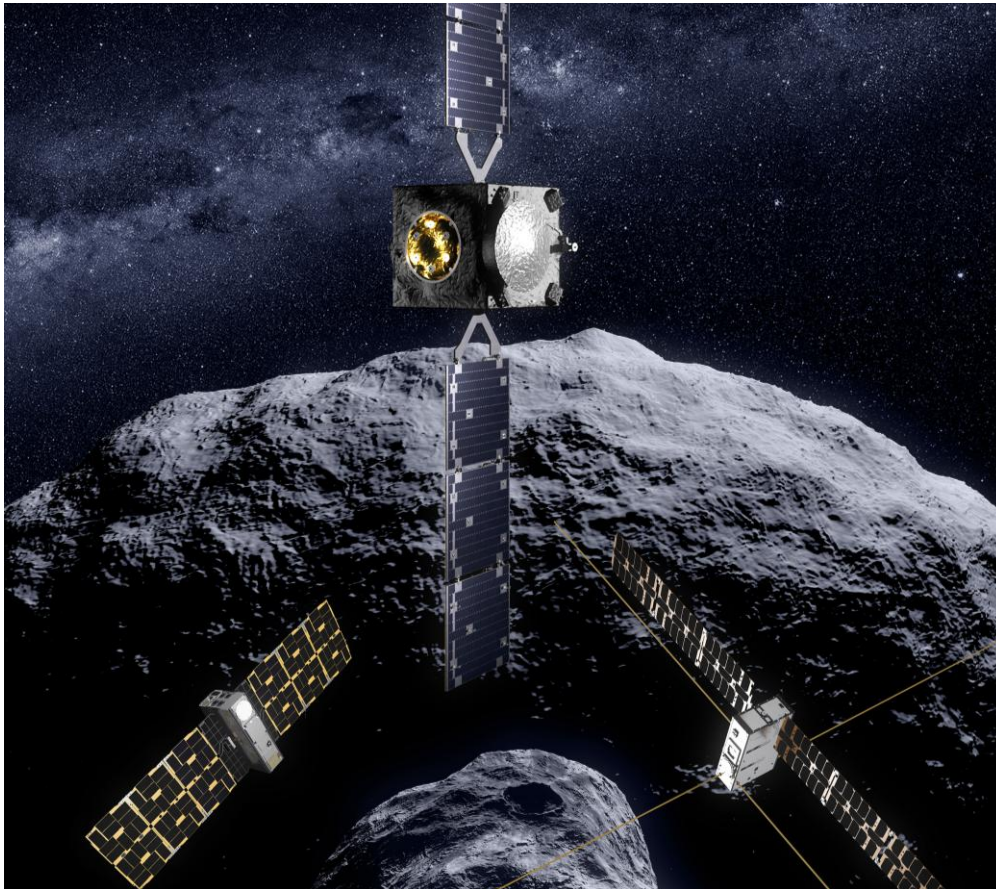


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SPARK
FUNDING

IP FOR
COMMERZIALIZATION

PREPARE
4 SPACE

IP for Commercialization

- Provides **financing (up to 10k€)** to economic operators that require legal advice on intellectual property protection:
- Define IP protection strategy
- Execute measures to protect the IP
- **Technology developed** in an ESA program or national calls for proposals.
- **10 Economic Operators** will be selected through open calls for tender
- Simple Proposal process



IP for Commercialization - Cases



Strategy Definition &
Protection



Strategy Definition &
Protection



IP Protection



Strategy Definition &
Protection



Strategy Definition &
Protection



IP Protection

+1 in evaluation process



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José María Pérez Head of National Programmes



ESA Technology Broker Spain



Gracias por su atención

esa-technology-broker@arrib.es



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