





CORPORATE



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www.asysol.com



C/ ISABEL TORRES 9, SANTANDER SPAIN



SALES 2025

Agenda

Who we are?

Some numbers

Technology capabilities

Happy customers

Management team

Turnkey solutions

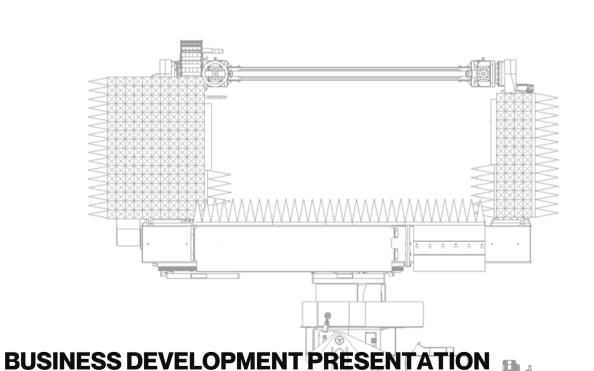
OUR ANTENNAS

ASYSOL excellence



Who we are?

We are the company



WHERE
INNOVATION IS
STANDARD



We provide **TURNKEY** solutions & components for active and passive devices and antenna measurements



Who we are?

ANTENNA SYSTEMS and NPM form a strong consortium joining the classic ranges, classic positioners, with robot technologies. Both companies have worked together in several projects sharing their expertise.



Classic antenna test ranges and systems Antennas and probes



Robotic antenna test ranges and systems





Truly European





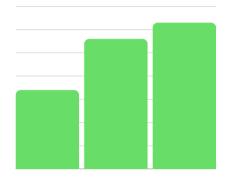
is proud of being a truly Eropean company for antenna test measurement systems!



Some Numbers

- Outstanding technical know-how and RF capabilities
- Agile and innovative organization
- Dynamic and customer-focused team, multicultural, worldwide located (Spain, Germany, Denmark, Holland...)

ORDER INTAKES



+15% tendency in the last two years

PROJECTS

70+

Projects delivered worldwide

+40 CATRs

+20 SNFs

+05 PNFs

+05 Multipurpose systems

EMPLOYEES

- +30 employees
- +5 Nationalities
- 4 Country sites

INDUSTRIES

- AeroSpace
- Defense
- Telecommunications
- Consumables
- Research
- Academic



Technology capabilities

With more than 15 years since its creation and +75 years of experience in the field of antenna measurement and RF devices, our company has established a strong reputation for expertise.

Our professionals are recognized as some of the most esteemed names in the industry on a global scale.

CATR SYSTEMS

Compact Antenna Test Ranges

Reconfigurable Test Ranges (CATR+NF)

RADOME Test Systems (CATR based)

OTHERS

RCS Test Systems

Satellite Test Facilities

5G Test Systems

SNF SYSTEMS

Planar Near-Field Ranges

Cylindrical Near-Field Ranges

Far-Field/Spherical Near-Field Ranges

(Roll/Azimuth and Gantry)

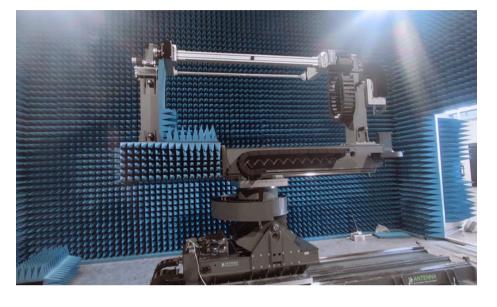
ENGINEERING SERVICES

Training and Teaching

NEW! In-house Antenna Test Facility



Taylormade Solutions





AUT POSITIONER 6 AXIS



FULLY CUSTOMIZABLE SOLUTIONS

Customized sizing
Global positioning accuracy guaranteed
Guaranteed orthogonality 0.02°
Axes intersection 0.05mm or less
Multi axes simultaneously movement



ALL TYPE OF RANGES

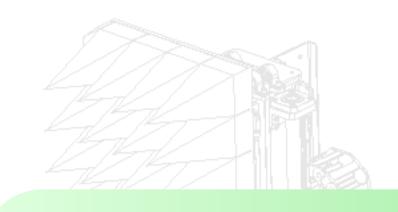
Multi AXIS AUT POSITIONER

BUSINESS DEVELOPMENT PRESENTATION





Management team



The human capital of ASYSOL is its greatest asset; we take care of it and strive to help it grow day by day. Our management team is composed of experienced individuals who bring valuable knowledge to help achieve the company's objectives.



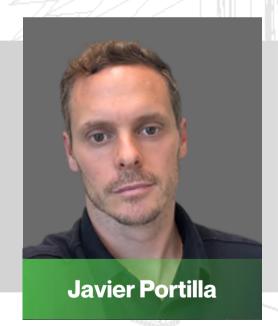
Chairman & Partner +40 years of experience, physicist and founder of high-tech companies



Chief Executive Officer +40 years of experience in the industry



Chief Technology Officer +30 years of experience in the indutstry



Business Development
Director
+15 years of experience in
aerospace and RF industry



Chief Financial Officer
Broadly experienced on
finance management roles
at consultancy firms



Turnkey solutions

Full turnkey solution provider, including shielding & absorbers design and layout

WORLDWIDE LEADING SUPPLIERS

ASYSOL works with all worldwide leading suppliers:

ETS Lindgren (sh. & abs.)
Global EMC (sh. & abs.)
Siepel (sh. & abs.)
Frankonia (sh. & abs.)
JV Micronics (sh. & abs.)
Dymstec (sh.)
Albatross (sh.)
Emerson & Cuming (abs.)







Planar Near-Field ranges

High accuracy planarity

uncorrected 0.15mm

corrected < 0.06mm

Scan area up to 40.0m x 17.2m

Inverted "T" frame design

X axis speed: 400mm/sec Y axis speed: 700mm/sec

Improved tower design to minimize scattering

Simultaneous dual polarized acquisitions

+10 installations





Spherical Near-Field ranges

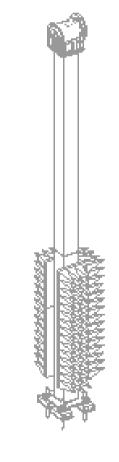
•Antenna load: up to 1500Kg

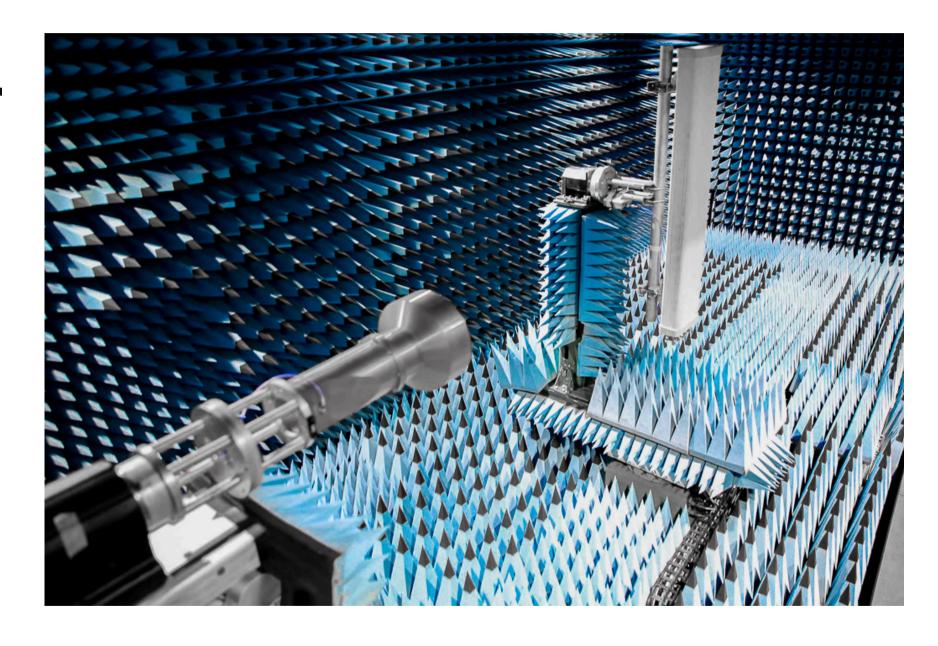
Lower Freq. <200 MHz

Rotation speed: >5 rpms
Position repeatability: 0.02°

Simultaneous dual-polarized acquisitions

+20 installations







CATRS

Serrated edge single reflector series (500MHz to 300GHz+)
Quiet zone size of >6m

Larger or custom size and shape upon request Reflectors machined from solid aluminum Provision for single or dual linear polarized feeds

Cost-effective solutions

+40 installation

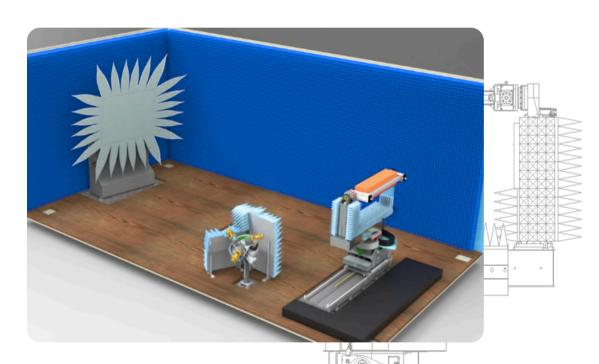




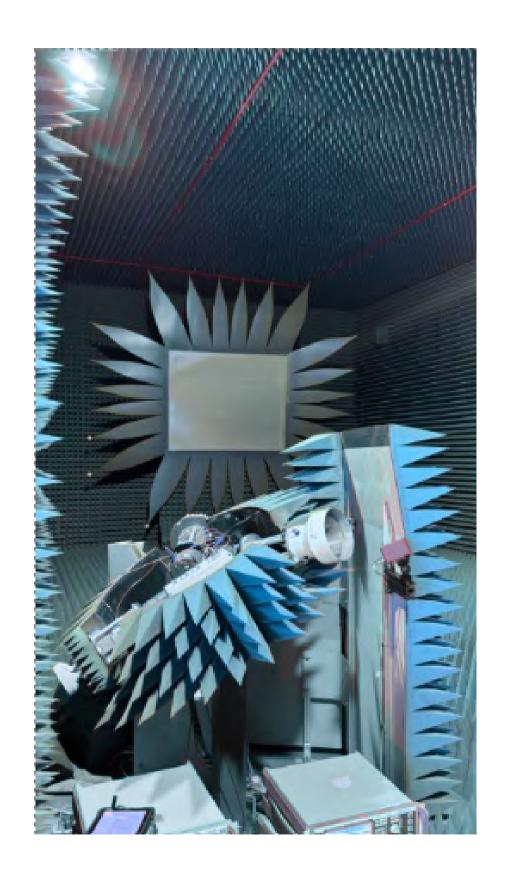


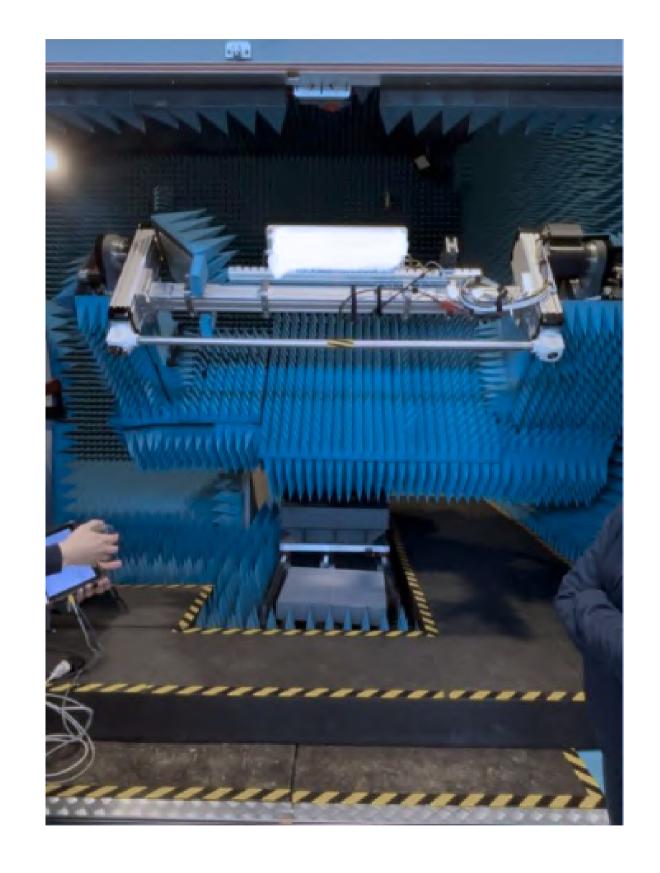
CATRS

1.8 m QZcarousel multi Feeder250 kg AUT positioner bbq option





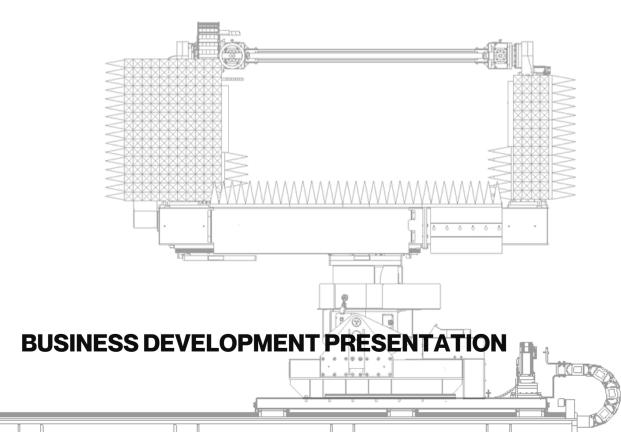


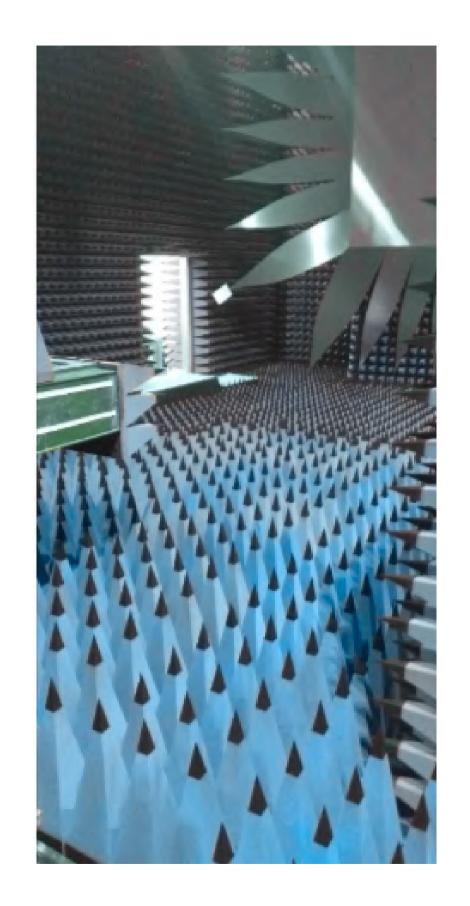


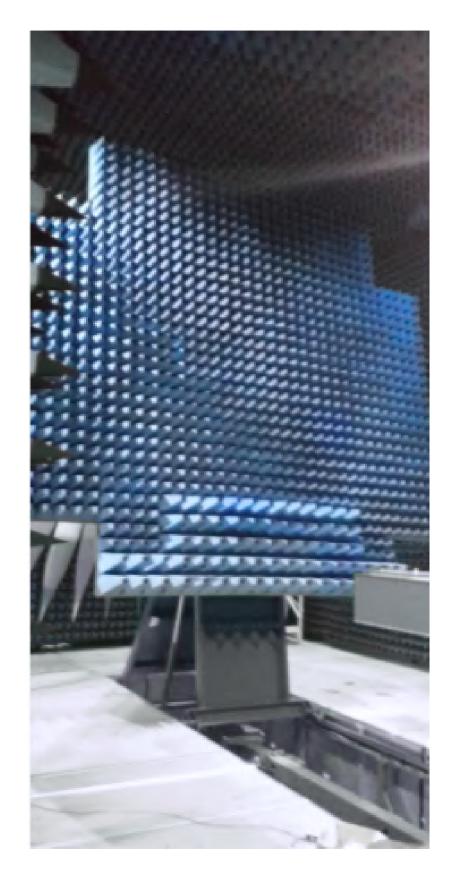


CATRS

2.5 m QZ Reconfigurable system SNF 200 MHz CATR 6 Ghz









Signature Blended rolled edge Reflectors

Unique performance taylored by simulation Blended rolled edge reflector series (500MHz to 200GHz+) Maximum quiet zone size on demand







RCS Signature Pylons and top Hat positioners

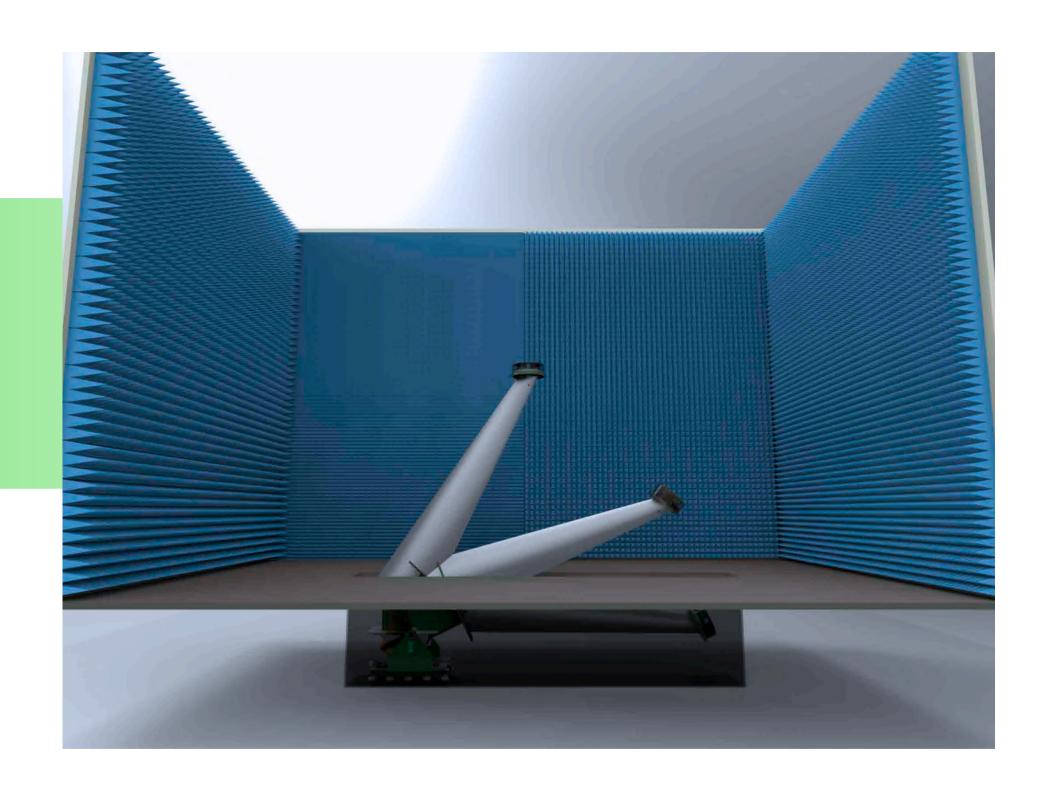
ASY-PLN pylon series design is based on a longitudinal axis inclined at an angle of 60° toward the RF source while leading and trailing edges have angles of 55° and 65° respectively. Horizontal cross section is a 4/1 ogive standard design. The final machining and polishing treatment ensure a surface smoothness better than 1.8 microns. Edge sharpness is better than 0.15mm, and typically 0.1mm Pylon top can be equipped either with calibration tip or positioner.

Single azimuth or azimuth-over elevation positioners can be configured, with low profile option (100 and 250 kg) or high load option (500 and 1.000kg). Moving mechanisms remain hidden inside the pylon (low profile option) or in the radome below turntable (high load option).



RCS

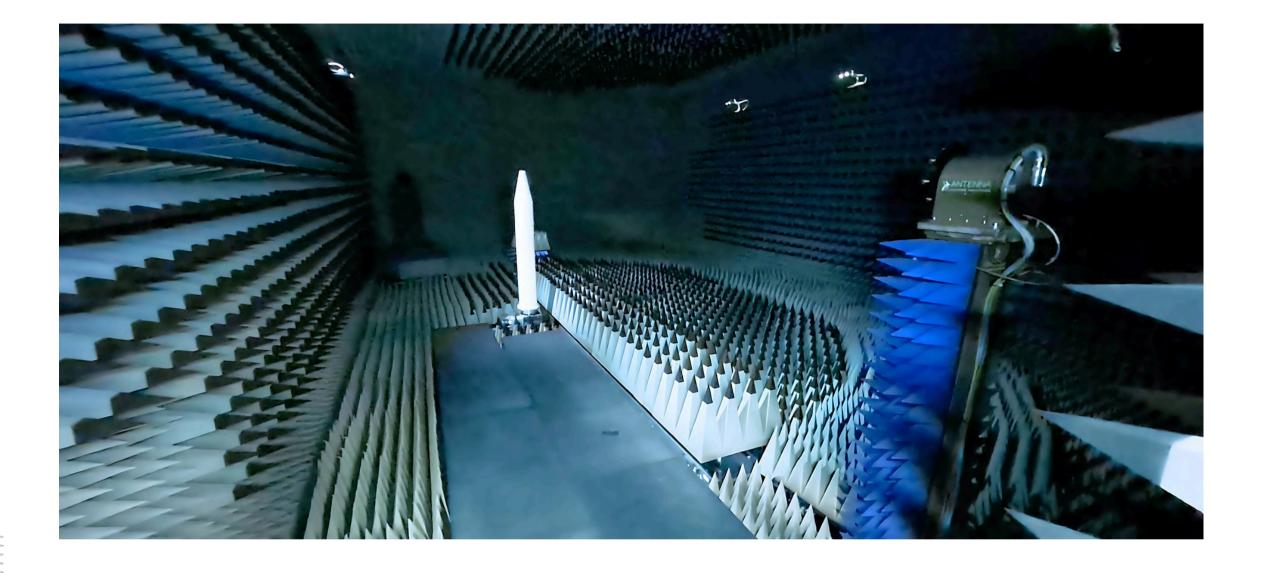
ASY-PNL Series is fully compatible with ASYSOL Elevator & Pick-up positioners, allowing automated folding and parking of pylon in multipurpose reconfigurable facilities.





Multi purpose systems

Systems that maximize the space enabling for many types of measurements in the same chamber







Our Probes

Corrugated aperture (choke) CWGs

Application: spherical near-field and CATR

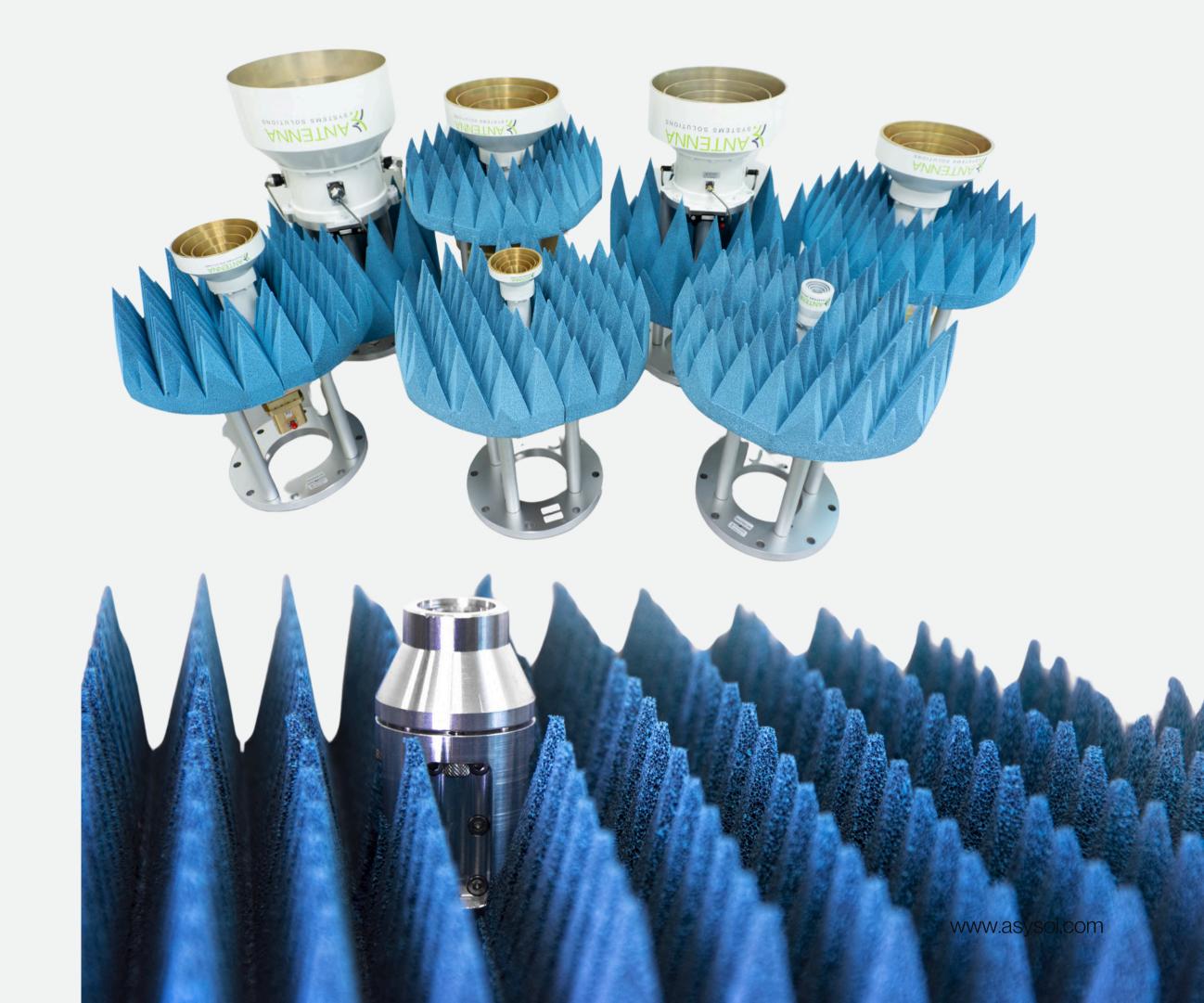
Rotational symmetric pattern

Very low cross-polar radiation

From 500MHz up to 170GHz

More than 500 units sold worldwide!!



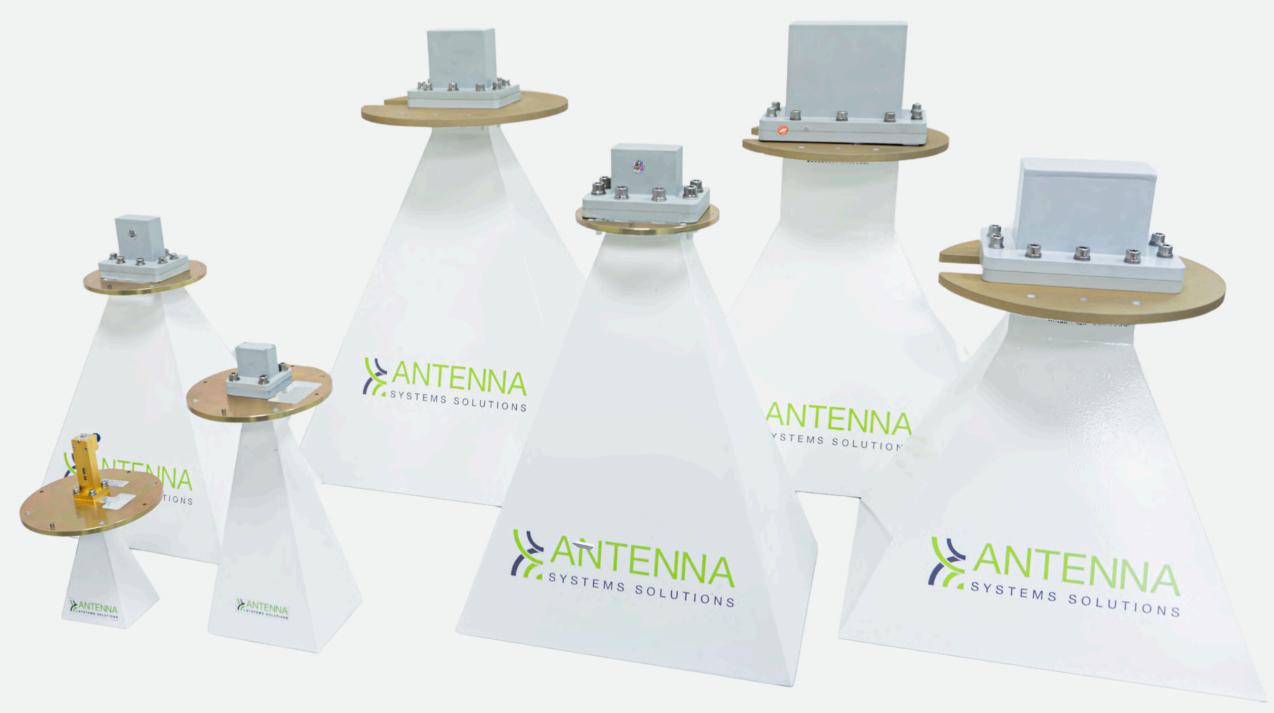




Our Horns

Standrad gain horn design
Very low on axis cross-polar radiation
Lightweight for ease of handling
Low error aperture phase
More than 300 units sold worldwide!!







Our Open Ended Waveguides

Application: planar and cylindrical near-field measurements

Low diffraction effect

Low loss and high efficiency

Standard ASYSOL circular interface

Waveguide input for standard waveguide bands

Lightweight for ease of handling





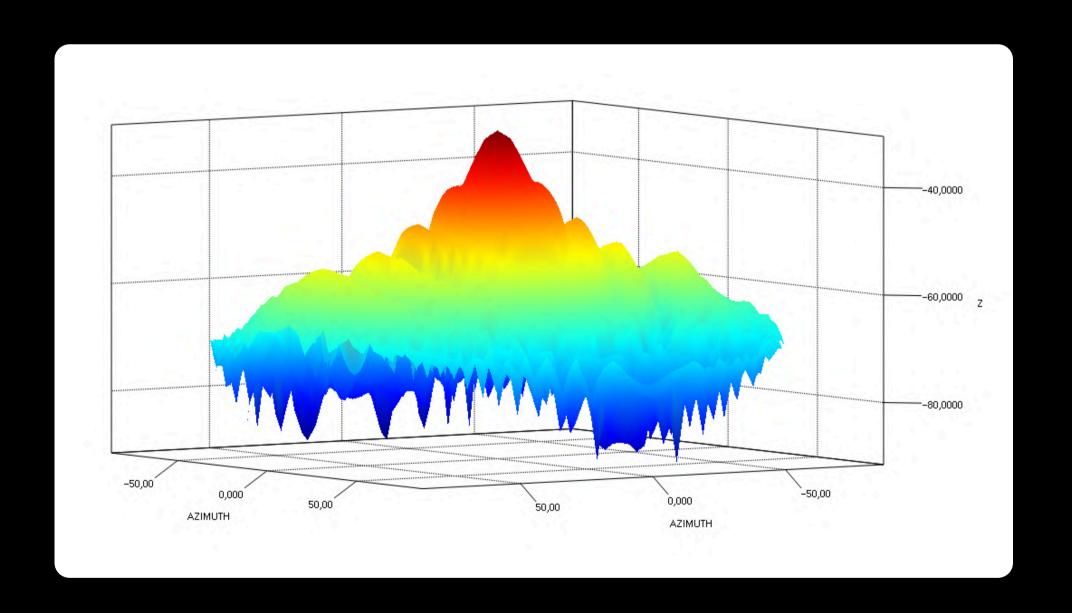
ASYSOFT

ASYSOFT enables the operator to interface with the measurement system hardware. It is a stable, modular platform allowing for full flexibility and optional customization. ASYSOFT will allow the measurement and display of all key antenna parameters in a friendly environment.

We are proud of our flagship software product and committed to ongoing development and innovation for the benefit of the end user.

Compatible with industry leader SW such as Tycra for SNF to FF transformation, AMS from NPM and others.

STABLE · MODULAR · FLEXIBLE





Our services

ASYSOL has its own Antenna Test Facility (ATF), where our team of qualified engineers perform antenna measurement services that include direct Far-Field, CATR, and Spherical Near-Field measurements.

While we primarily serve for testing ASYSOL products, our facility is available for rental to academia and industry to meet their specific testing requirements.





Key points of excellence

Outstanding technical **know-how** and RF capabilities Agile and flexible organization

Dynamic and customer-focused team, multicultural, worldwide located (Spain, Germany, Denmark, Holland...)

Superior mechanical design and accuracy for positioners, scanners and reflector systems Excellent customer satisfaction

Experts in customization and adapting to existing the existing to exist in the exi

Experts in customization and adapting to existing facilities

Marketing Plan Presentation www.reallygreatsite.com



Customer First

Once our customer, always our customer!

Warranty, Maintenance, Support, and Training services Support:

- Fast response e-mail and phone support for system & software operation
- •Regular software and firmware upgrades.

Training:

- •Full training on Antenna Measurement Theory as well as ASYSOL Systems Operation during installation and validation
- •ASYSOL regularly takes part in workshops and conferences worldwide. EuCAP, AMTA and many more
- we can arrange on-site support and training anytime!

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Customer First

Once our customer, always our customer!

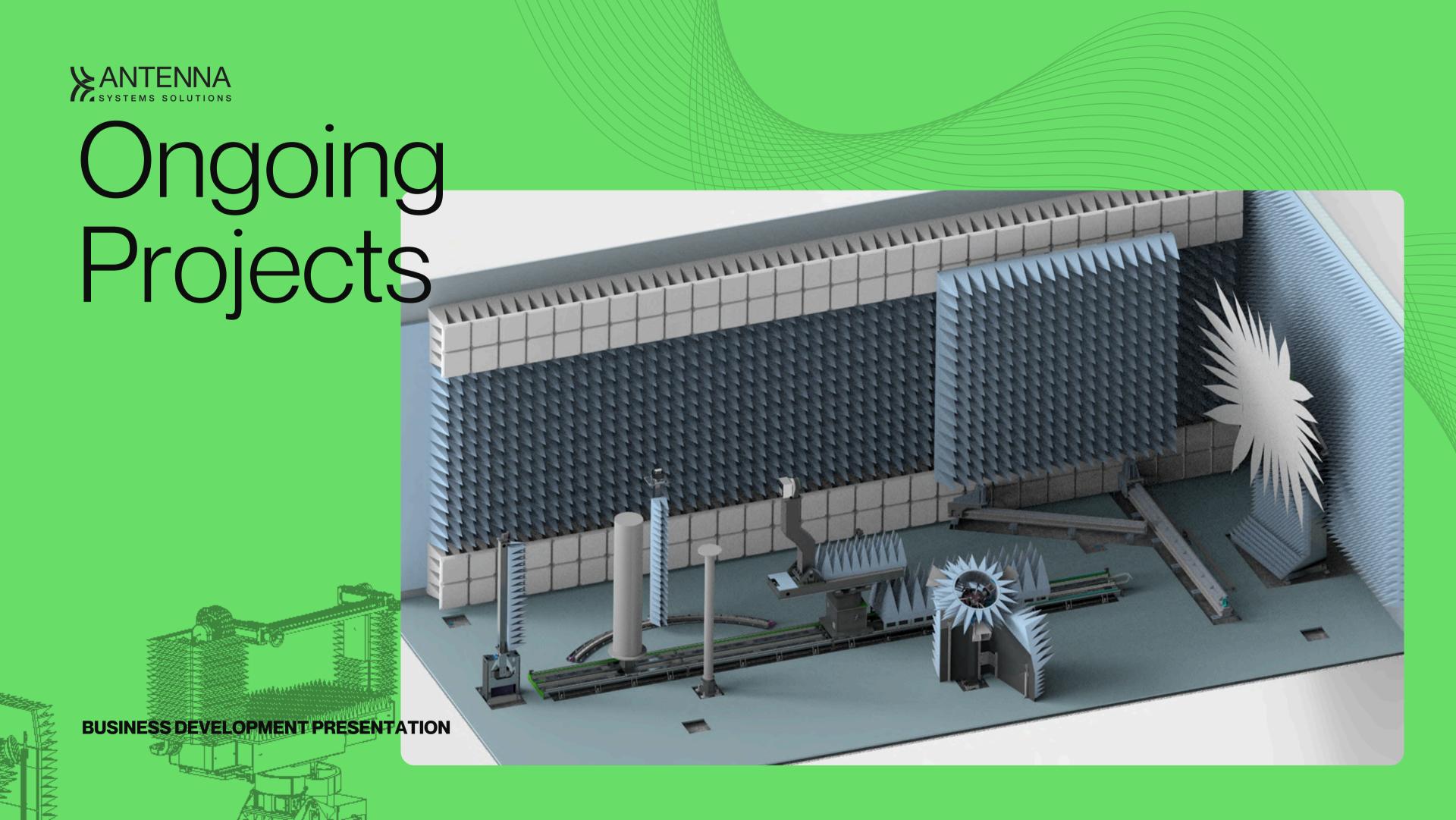
Warranty:

- Standard COTS products, long life cycle (> 10 years)
- Spares on demand or kept at ASYSOL premises upon agreement
- Typical spares: Rotary Joints, motors, drives, sliprings

Maintenance:

- •Alignment and calibration services, provided either by ASYSOL or qualified and trained staff from local distributors
- •Remote alignment & validation successfully completed due to Covid 19 restrictions!!

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Have a question?

We are here to help, you can use these channels to contact us

+34 942 05 04 85

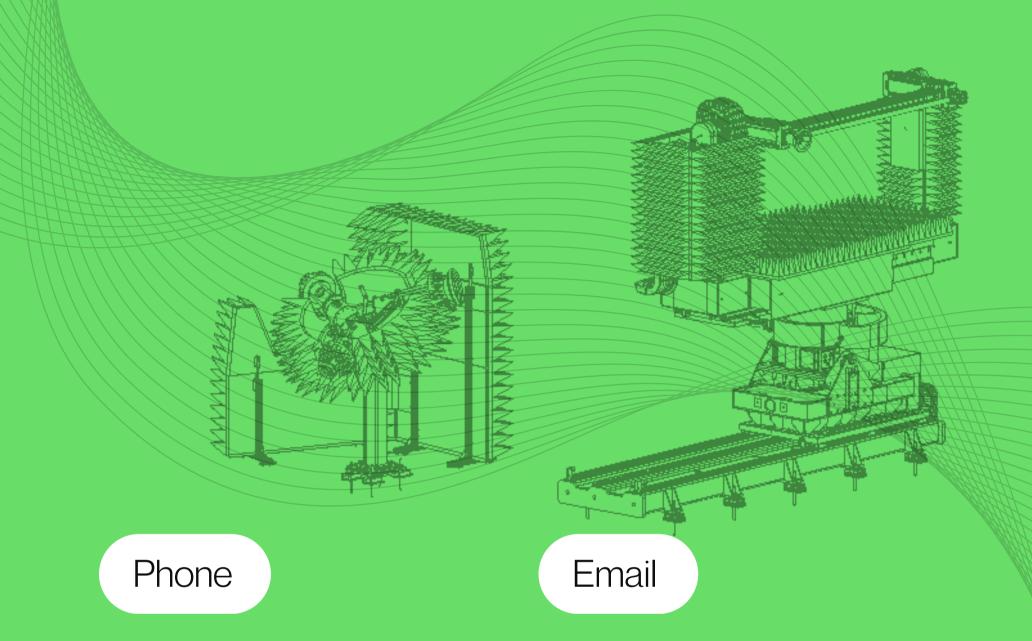
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Thank You!



