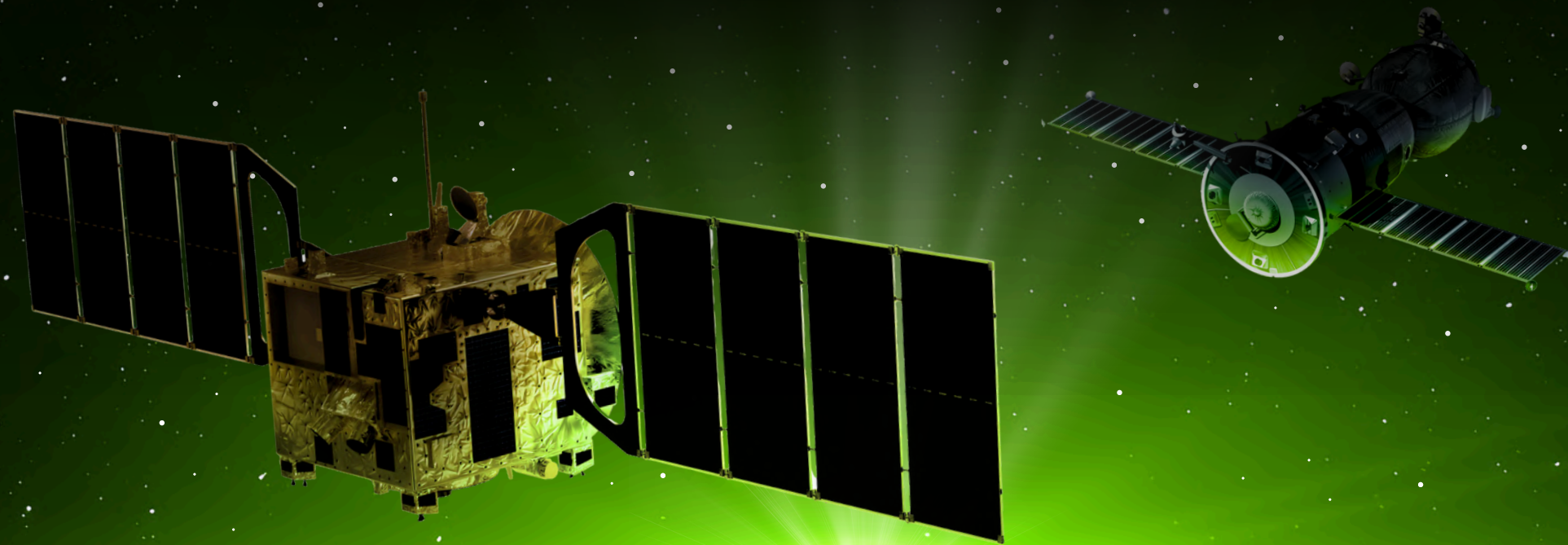




ANTENNA

SYSTEMS SOLUTIONS



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.)



www.asysol.com

BUSINESS DEVELOPMENT PRESENTATION

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

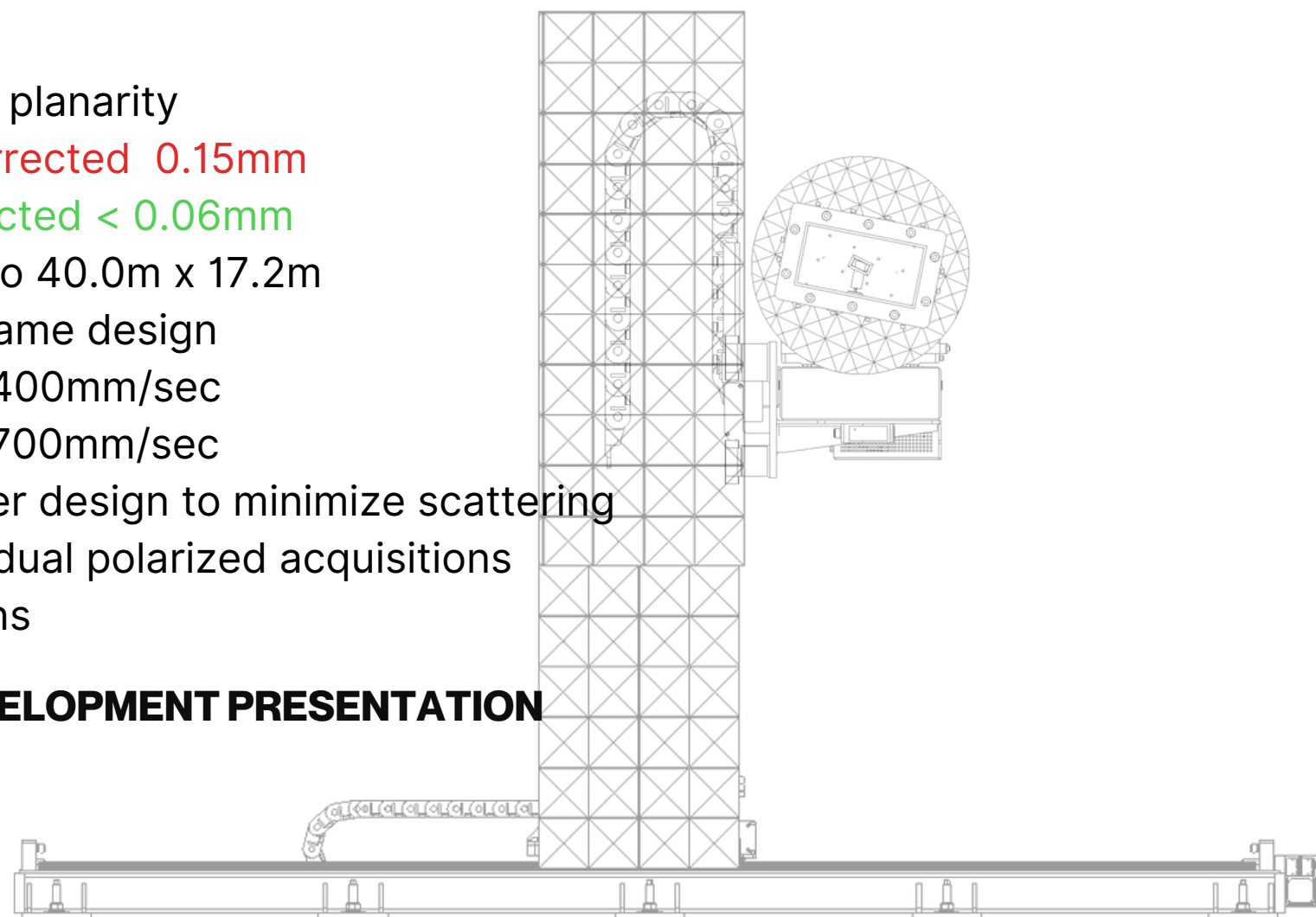
Y axis speed: 700mm/sec

Improved tower design to minimize scattering

Simultaneous dual polarized acquisitions

+10 installations

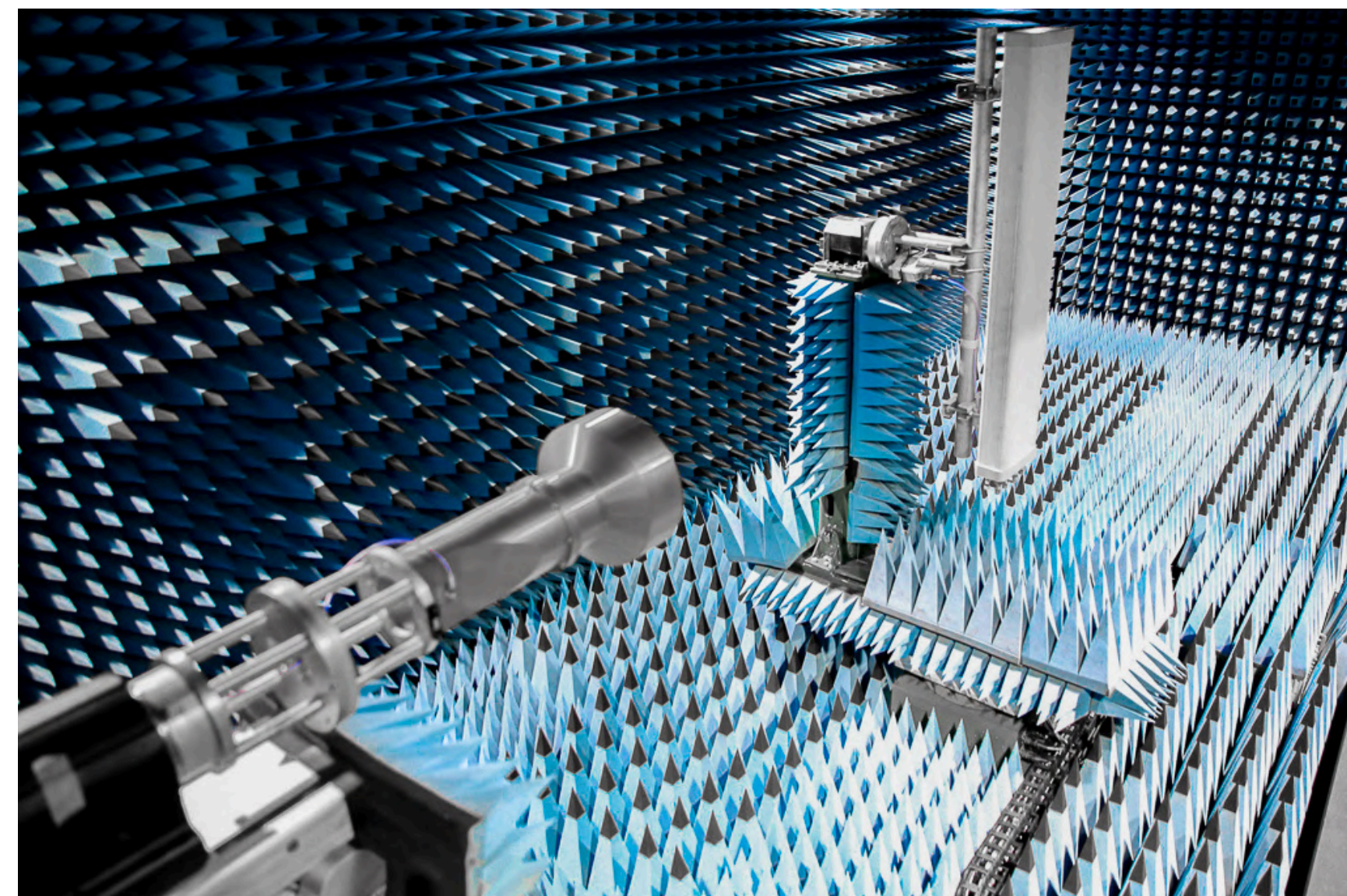
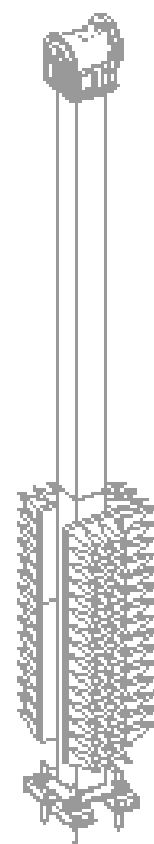
BUSINESS DEVELOPMENT PRESENTATION



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

BUSINESS DEVELOPMENT PRESENTATION



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

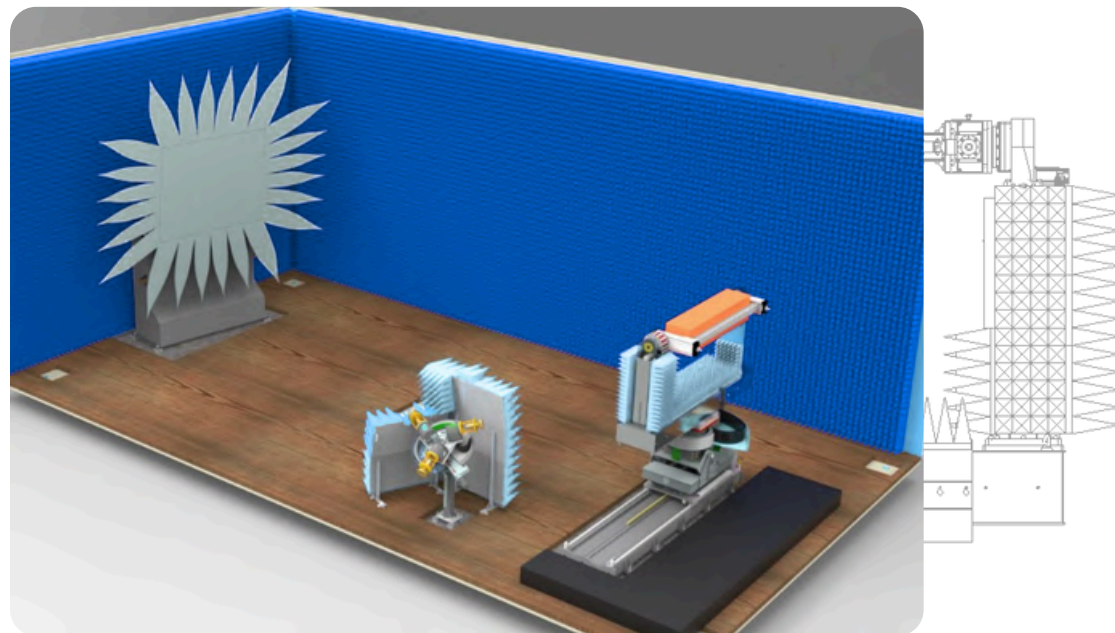
+40 installation

BUSINESS DEVELOPMENT PRESENTATION

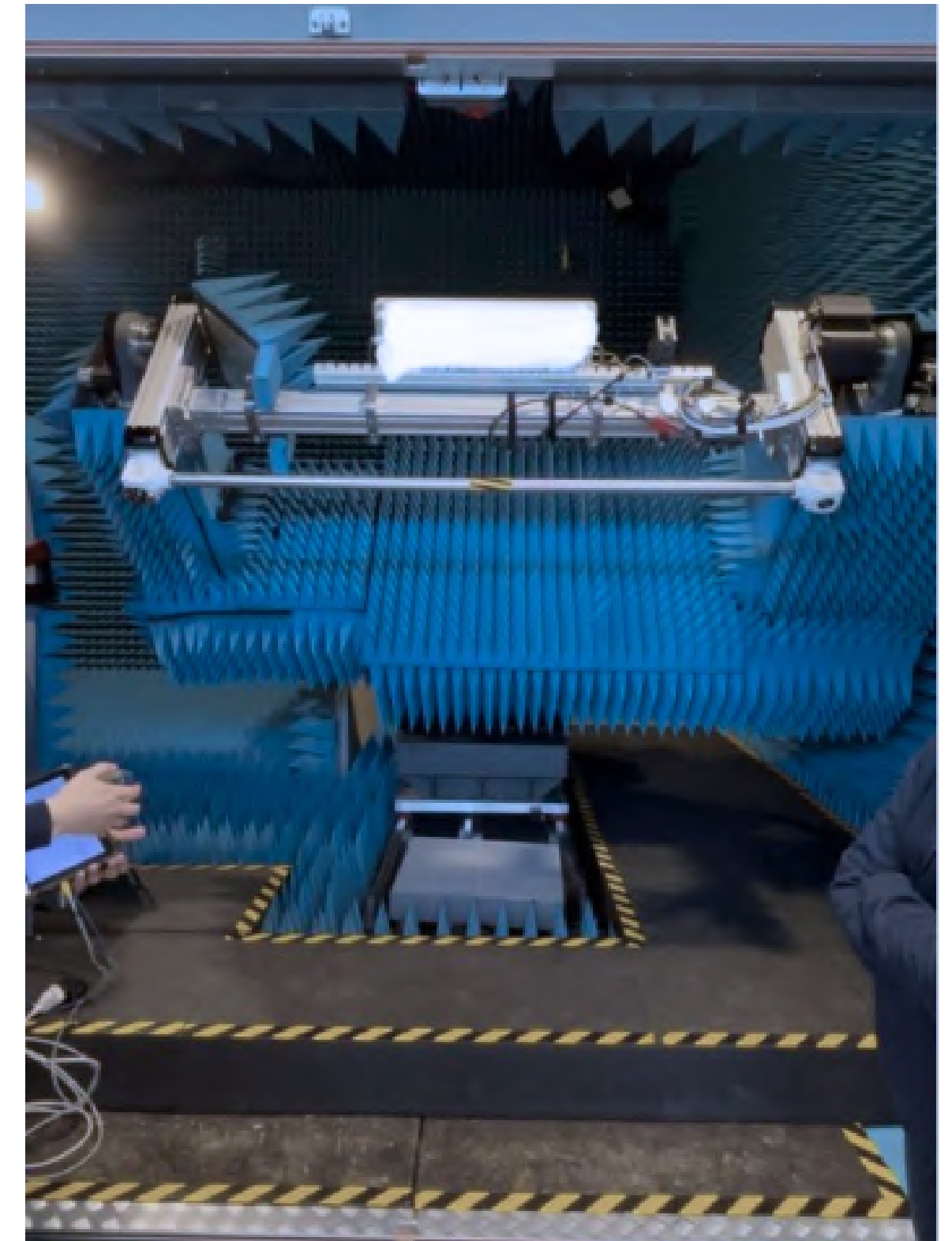
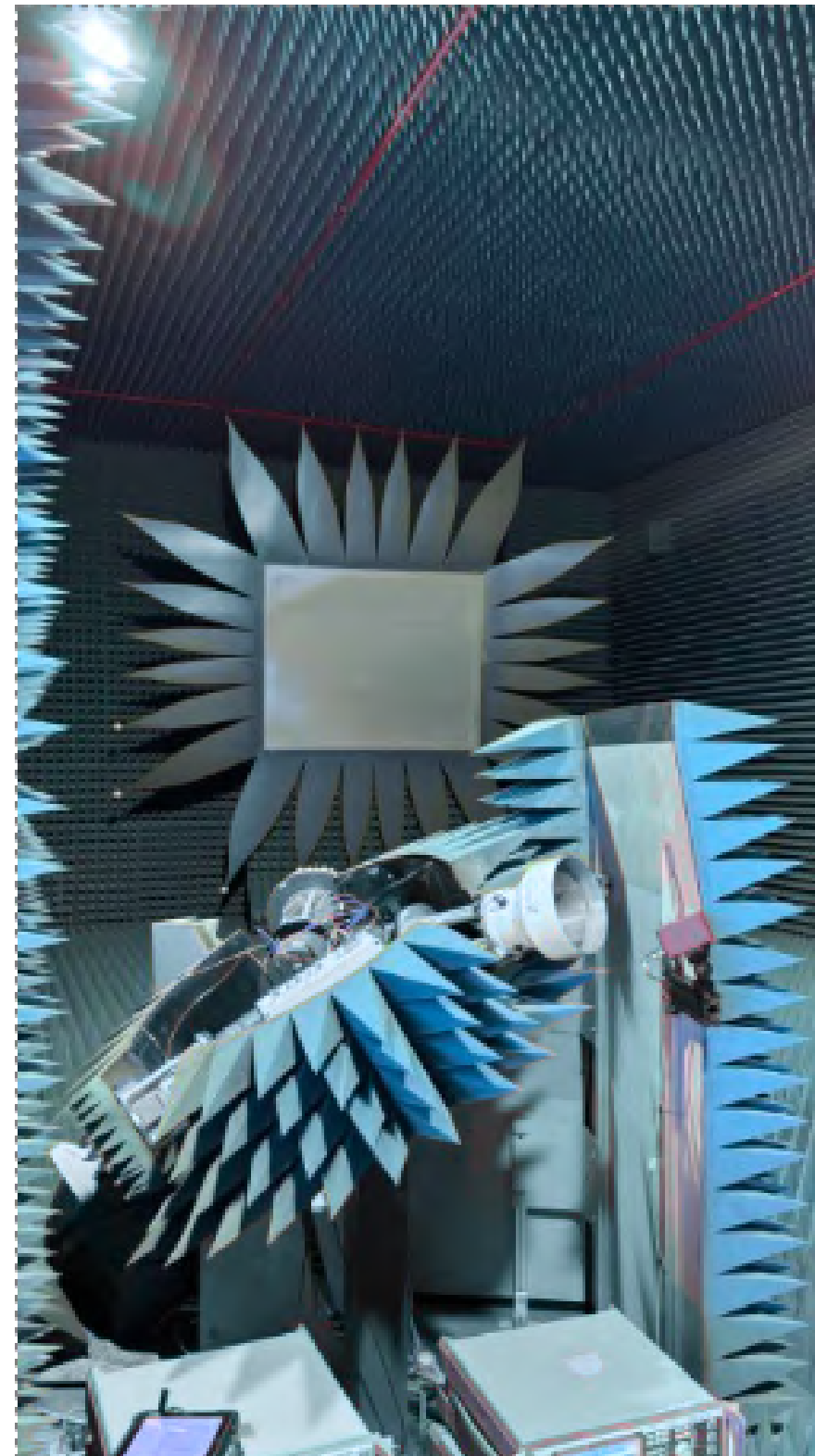


CATRs

1.8 m QZ
carousel multi Feeder
250 kg AUT positioner bbq option



BUSINESS DEVELOPMENT PRESENTATION



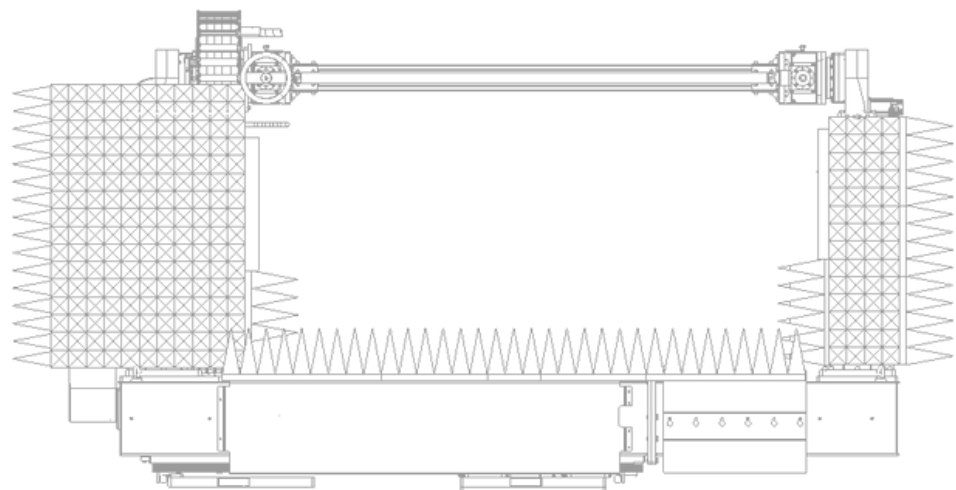
CATRs

2.5 m QZ

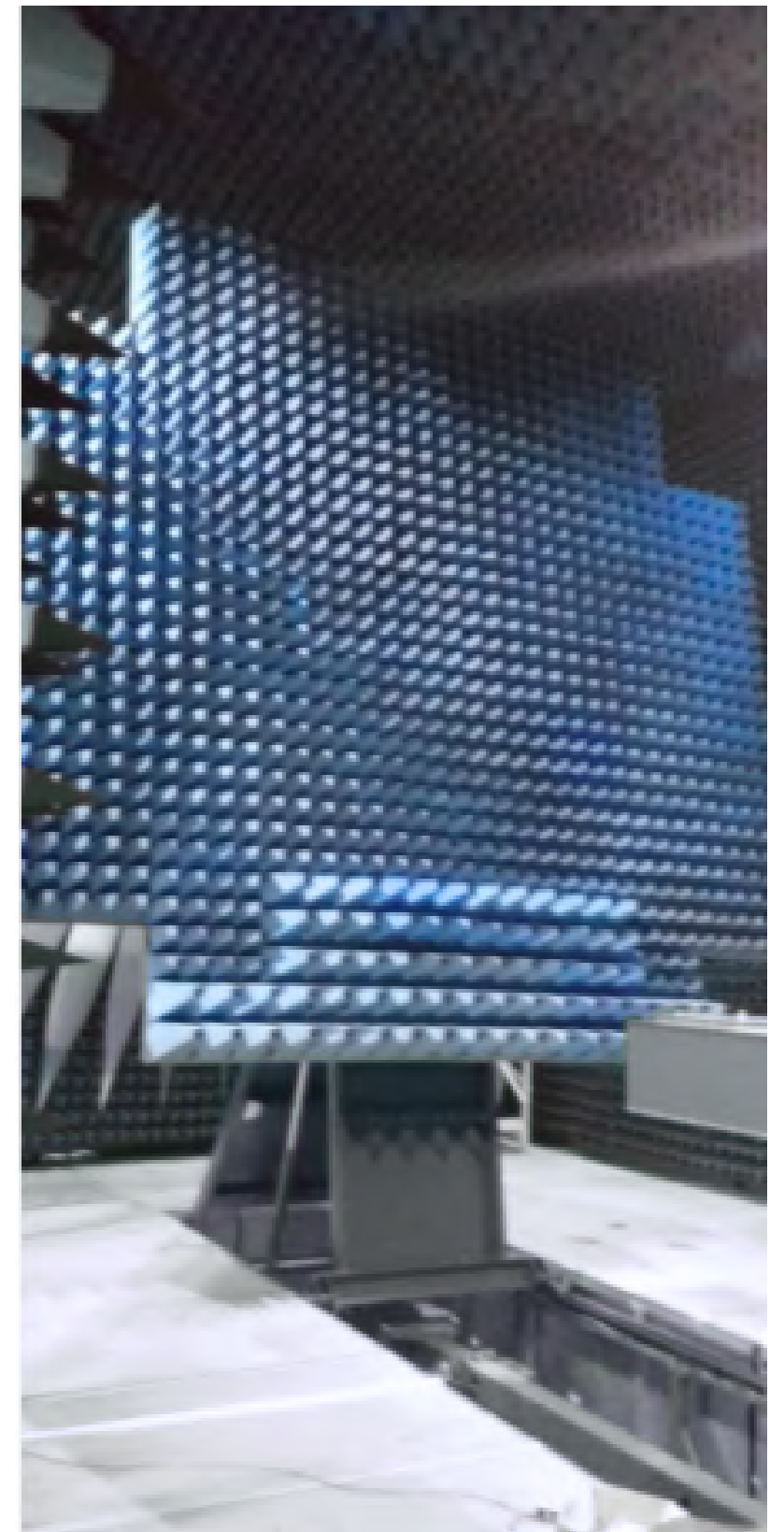
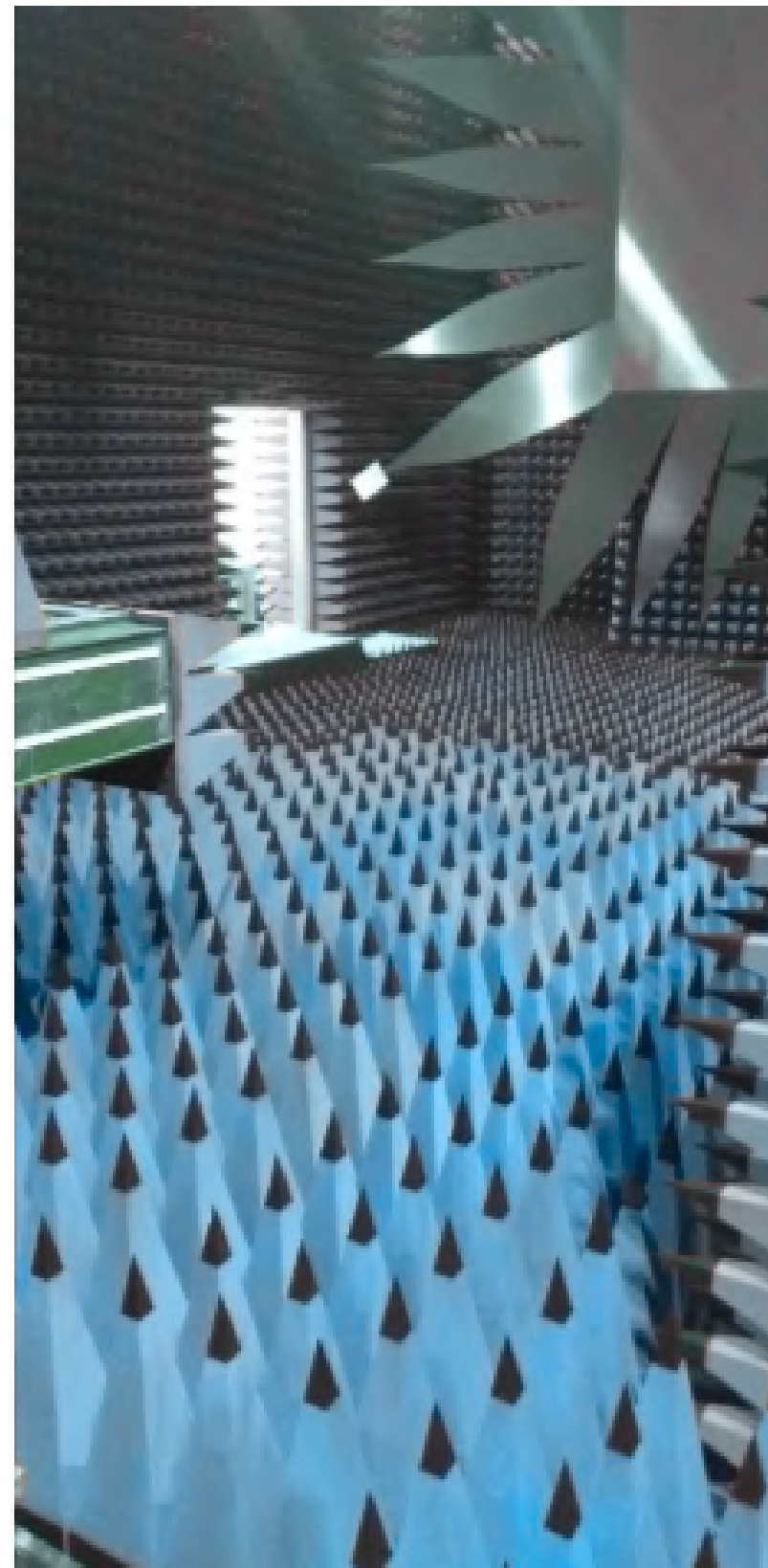
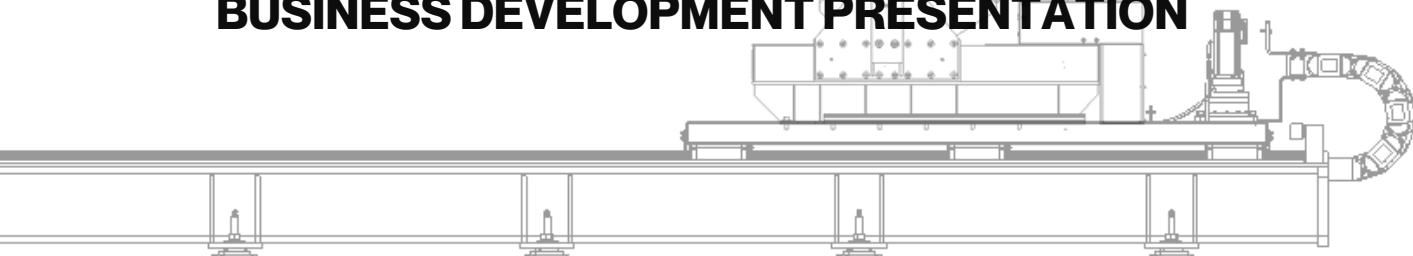
Reconfigurable system

SNF 200 MHz

CATR 6 GHz



BUSINESS DEVELOPMENT PRESENTATION



Signature Blended rolled edge Reflectors

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

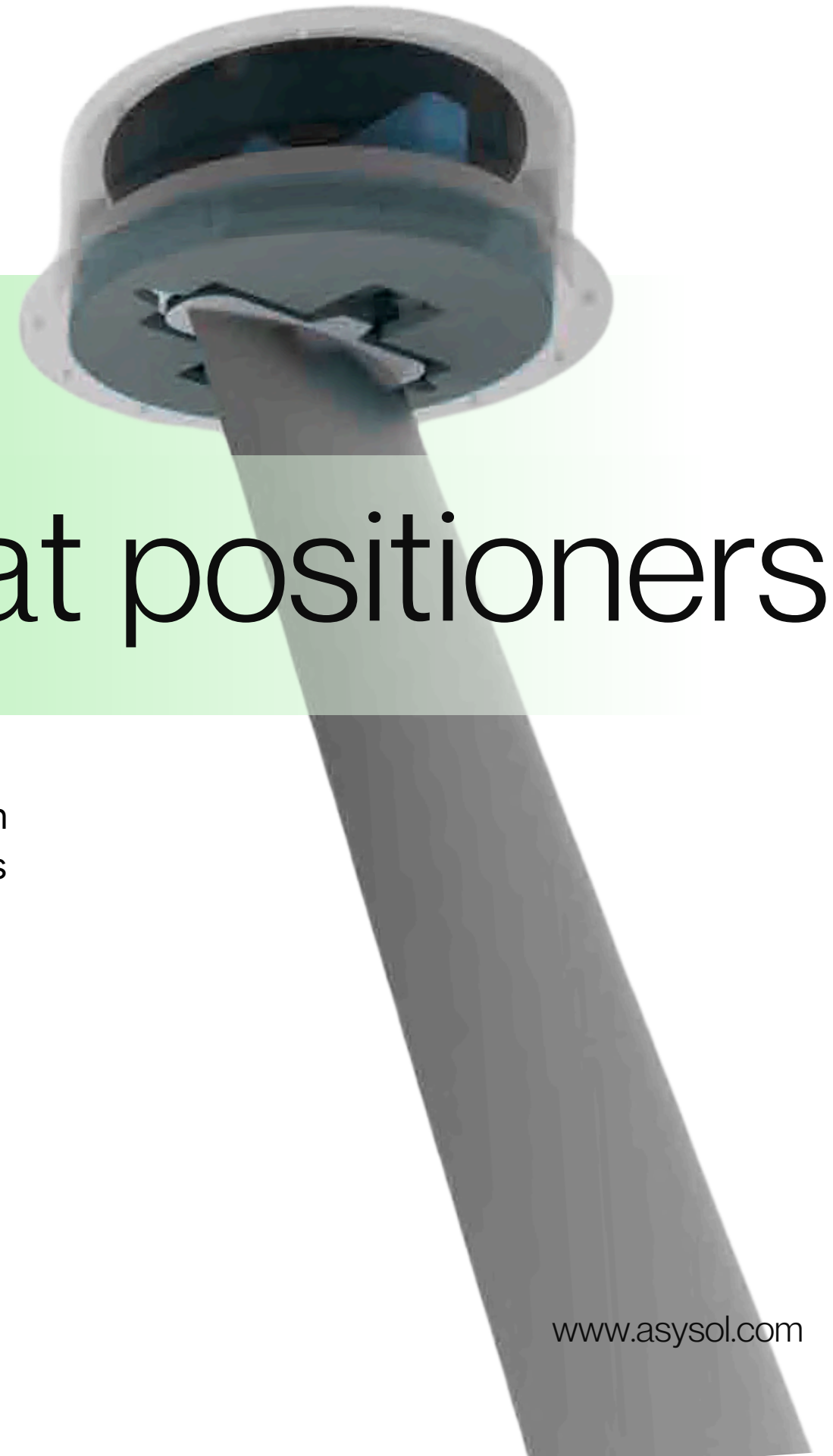


RCS Signature Pylons and top Hat positioners

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

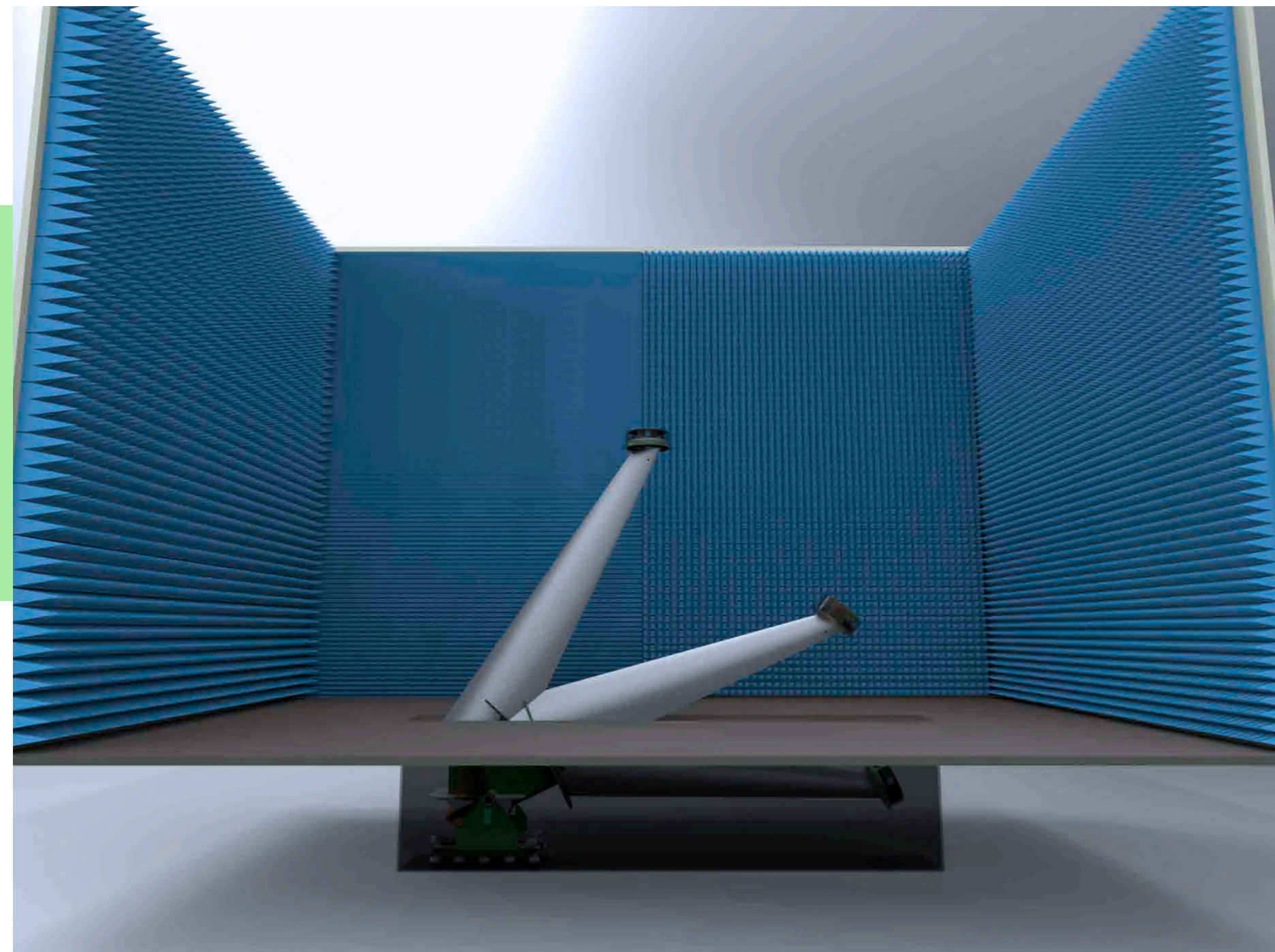
Pylon top can be equipped either with calibration tip or positioner.

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.

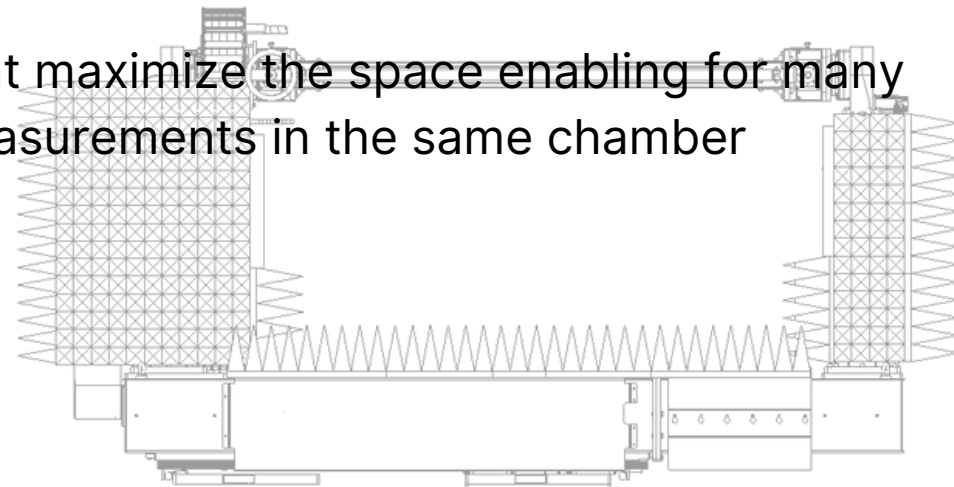


Supplied by

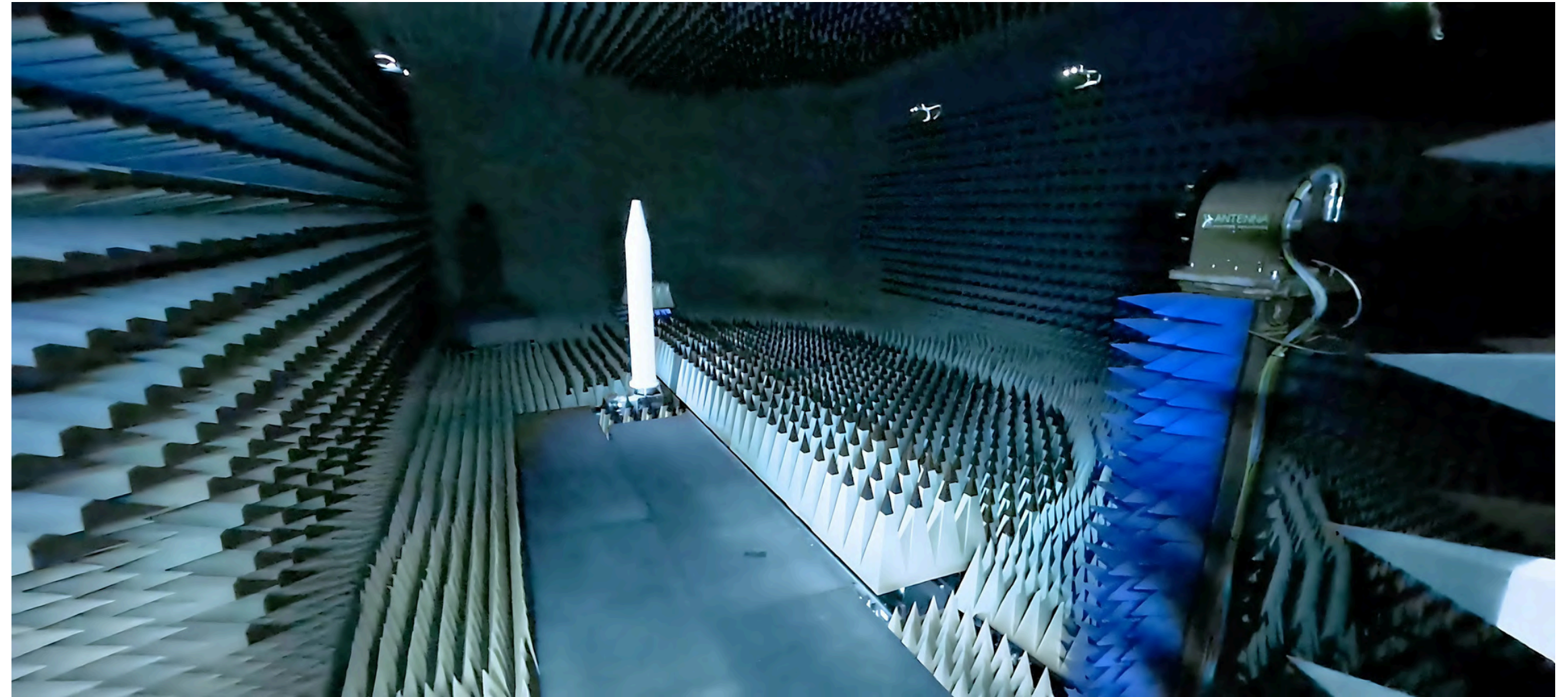


Multi purpose systems

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



BUSINESS DEVELOPMENT PRESENTATION



Our Probes

Corrugated aperture (choke) CWGs

Application: **spherical near-field and CATR**

Rotational symmetric pattern

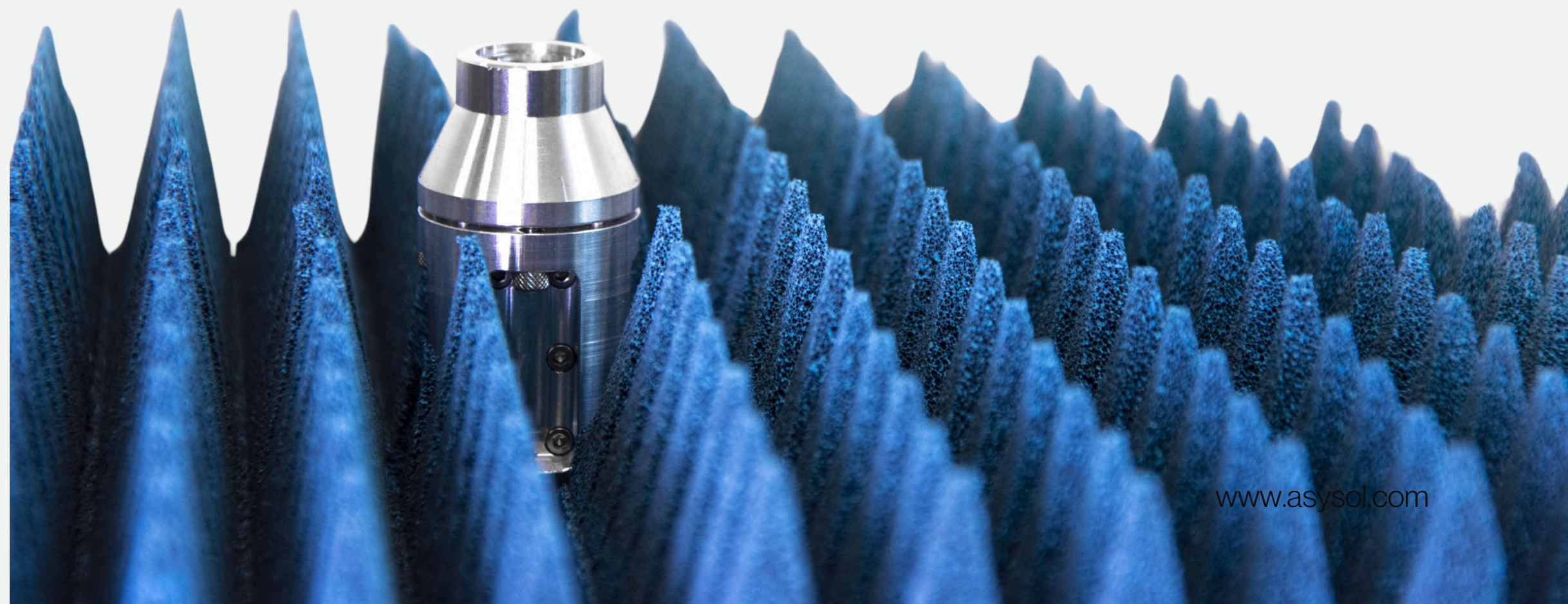
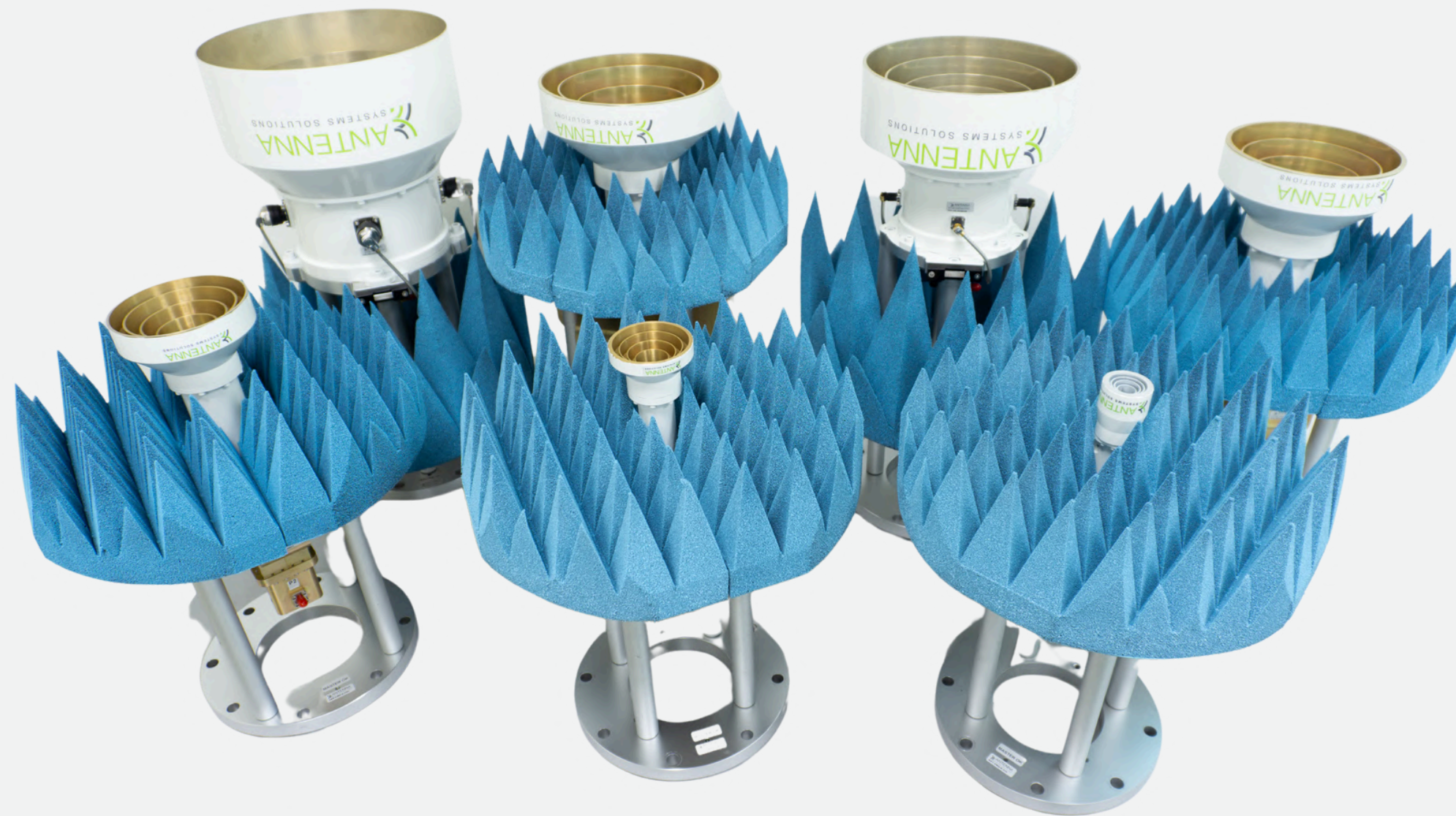
Very low cross-polar radiation

From **500MHz up to 170GHz**

More than **500 units sold worldwide!!**



BUSINESS DEVELOPMENT PRESENTATION



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!!



BUSINESS DEVELOPMENT PRESENTATION

Our Open Ended Waveguides

Application: planar and cylindrical near-field measurements

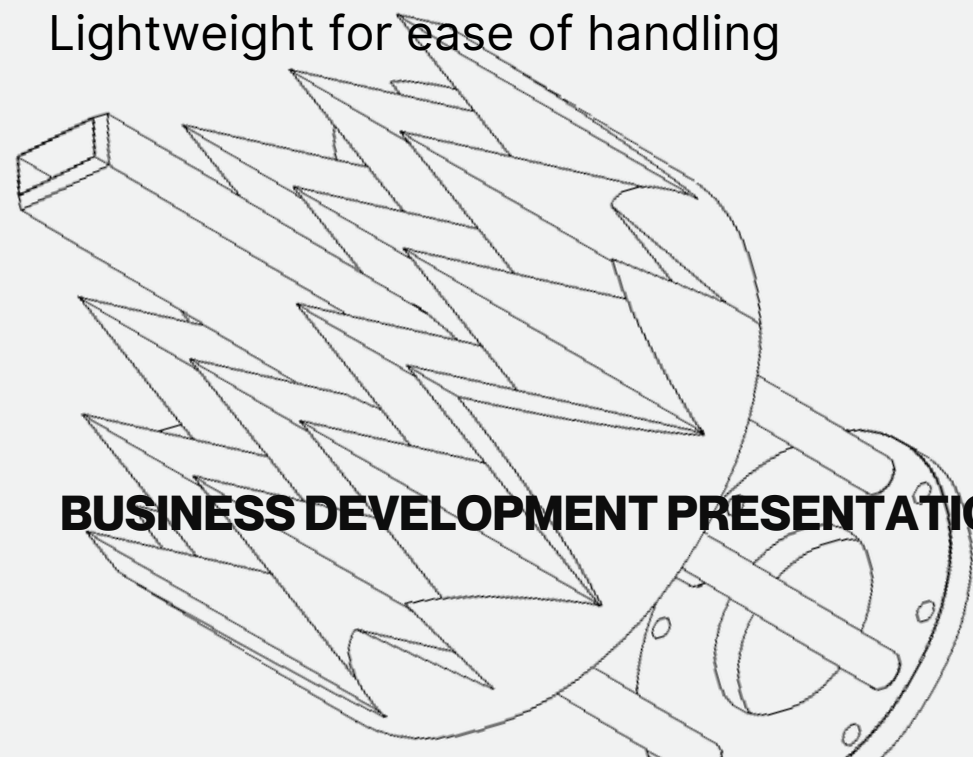
Low diffraction effect

Low loss and high efficiency

Standard ASYSOL circular interface

Waveguide input for standard waveguide bands

Lightweight for ease of handling



BUSINESS DEVELOPMENT PRESENTATION

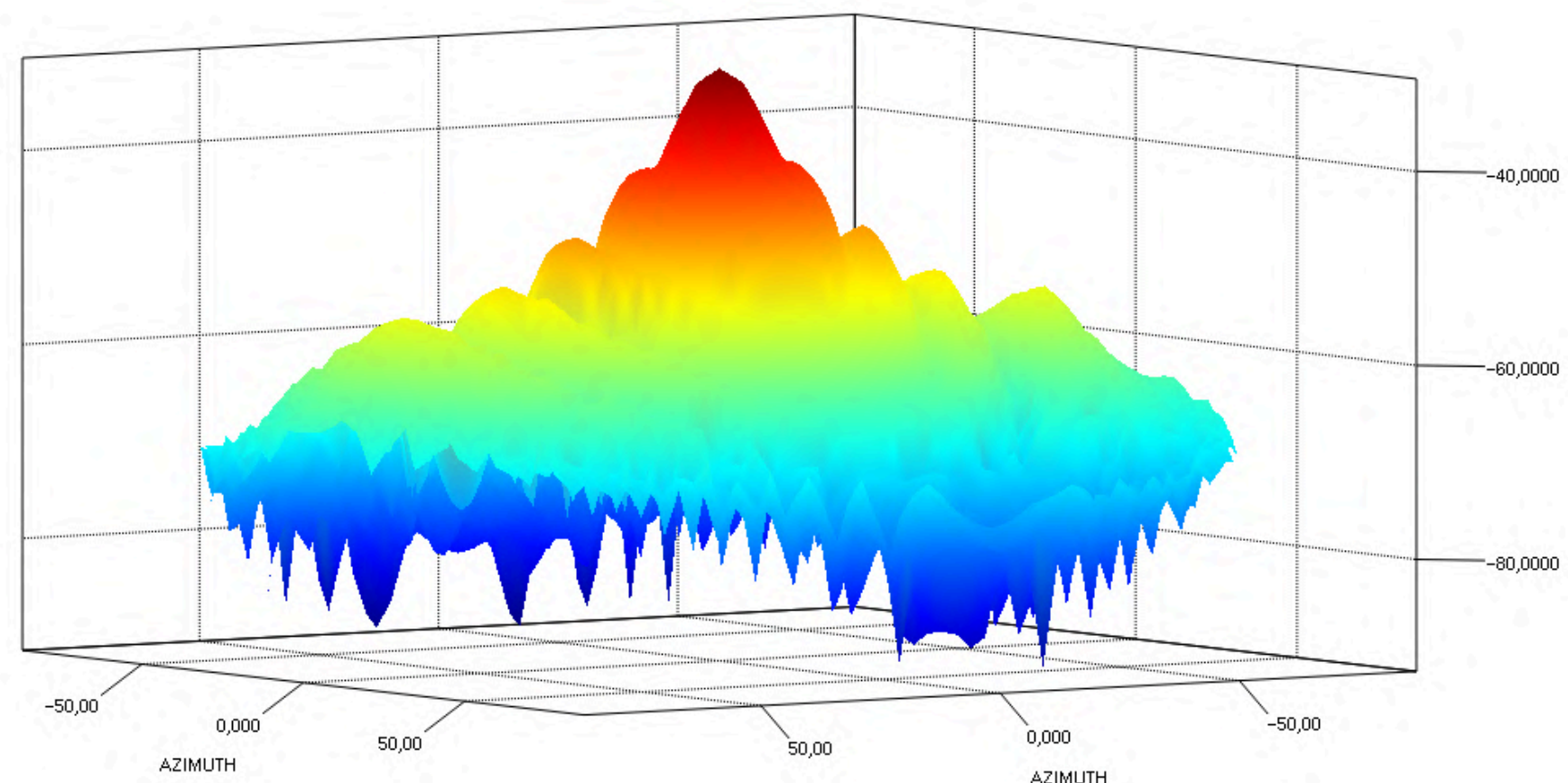
ASYSOFT

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.

