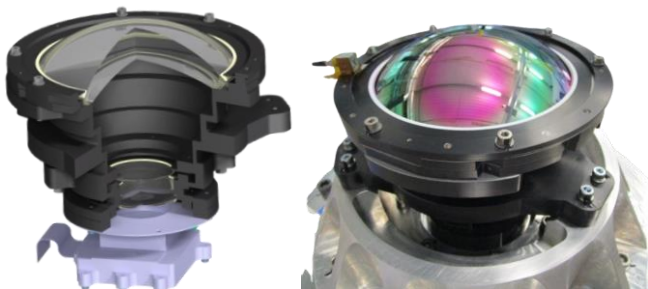


# OPTICAL MOUNTS FOR SPACE TELESCOPES



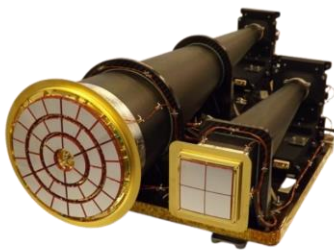
## The LIDAX approach

Made by a team of aerospace engineers, with the aim of providing reliable and qualified space optical systems.



**Morera satellite objective**

In partnership with a wide network of national and european suppliers, LIDAX is able to offer custom optical systems.



**Bepi Colombo  
MIXS instrument**

Our Opto-mechanical technology has been used in space flight optics with several glasses and metallic materials, mirror or lens substrates (Silicon Carbide SiC, Glass-Ceramic –Zerodur®, Fused Silica, N-BK7®, Metallic Mirrors Al) and different shapes (flat, cylindrical, spherical or aspherical surfaces, on-axis, off-axis, etc.)

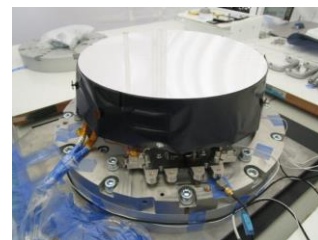
## A wide variety



**PLATO satellite FPAs**

From single components such as Flexures, Brackets, Isostatic Mounts, Barrels, Detector Frames, etc; to complete on-board systems: Telescope Optic Mounts, Folding Mirrors, Spectrometers, Focal Plane Assemblies and more.

LIDAX can provide any type of high performance solutions, including complete integrated thermal control system (passive or active).



**MTG satellite  
mirror**

[www.lidax.com](http://www.lidax.com)

[commercial@lidax.com](mailto:commercial@lidax.com)



# OPTICAL MOUNTS FOR SPACE TELESCOPES



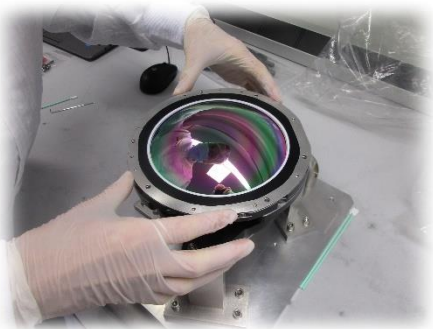
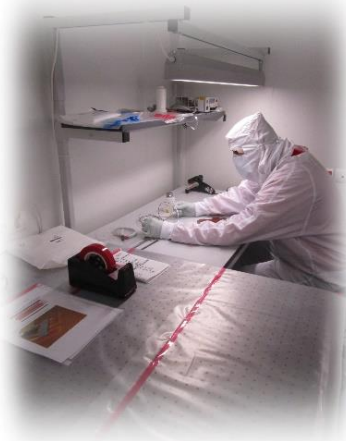
## Facilities

LIDAX centralizes its capabilities within a 1,800 square meter facility, enabling the delivery of fully integrated and comprehensive services to its customers.

Two clean rooms to meet the highest requirements in terms of cleanliness, for the Integration process

❖ ISO-5 clean room.

❖ ISO-7 clean room.



## References & Projects

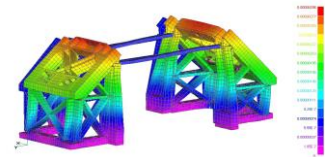
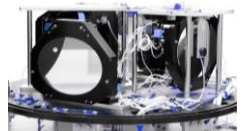
### • Optical payloads

#### ○ Space Telescope Optic Mounts.

- **MTG Mission.** Telescope Optics for FCI and IRS Instruments.
- **Morera.** Thermal Infrared Refractive telescope integration.

#### ○ Folding mirrors for instruments.

- **James Webb Space Telescope.** MIRI Telescope Simulators. Four cryogenic folding mirrors.



#### ○ Compact Optical systems.

Internal Optical Head of the Raman Spectrometer for the **Exomars Mission**.



### • Focal Plane Assemblies

- For MIXS-T & MIXS-C Instruments of ESA **Bepi Colombo Scientific Satellite**.
- CAS Co Alignment Sensor ATLID Instrument **EarthCare Mission**
- For **PLATO multitelescope**, 28 FPAs total.

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