



**Ramon Navarro**

**NL Industry Liaison  
Officer for ESO**



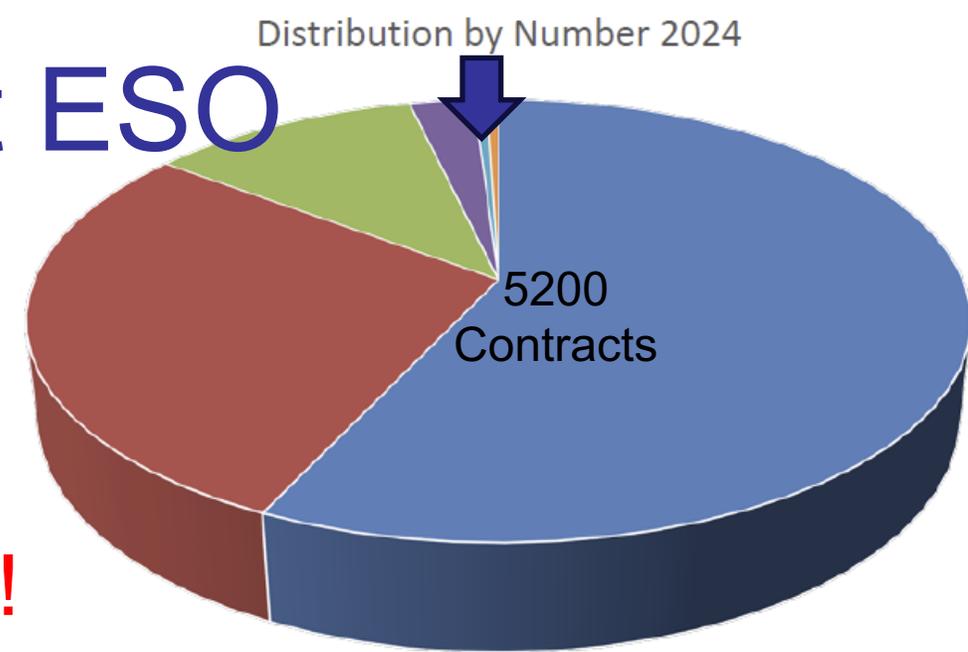
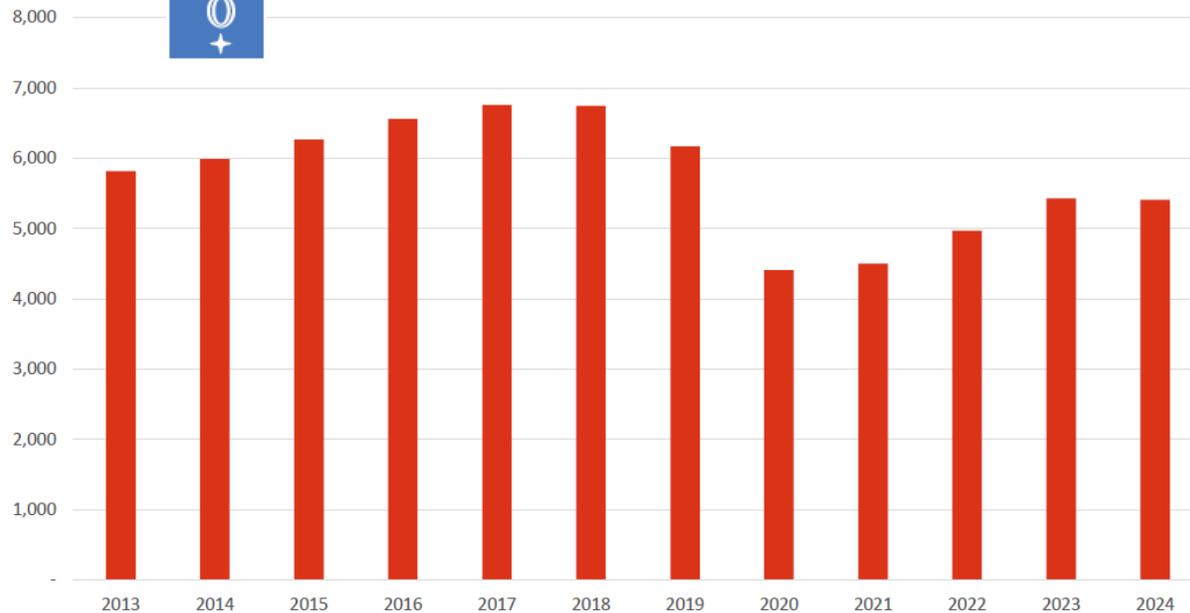
# Procurements at ESO

Industry Liaison Officer involvement:

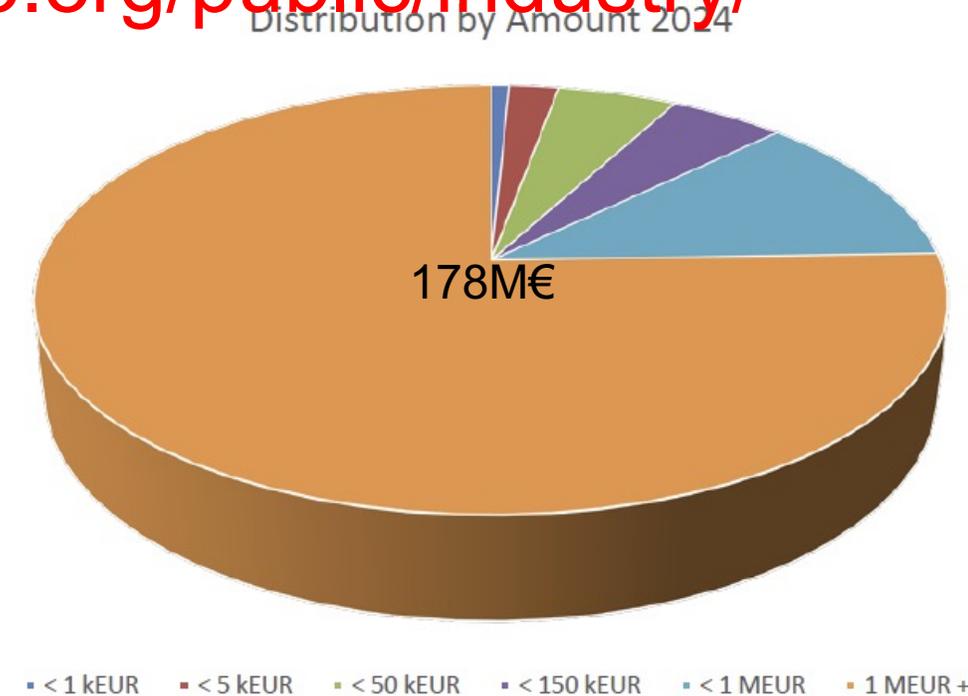
- ESO contracts >150k€
- (ESO contracts >50k€)



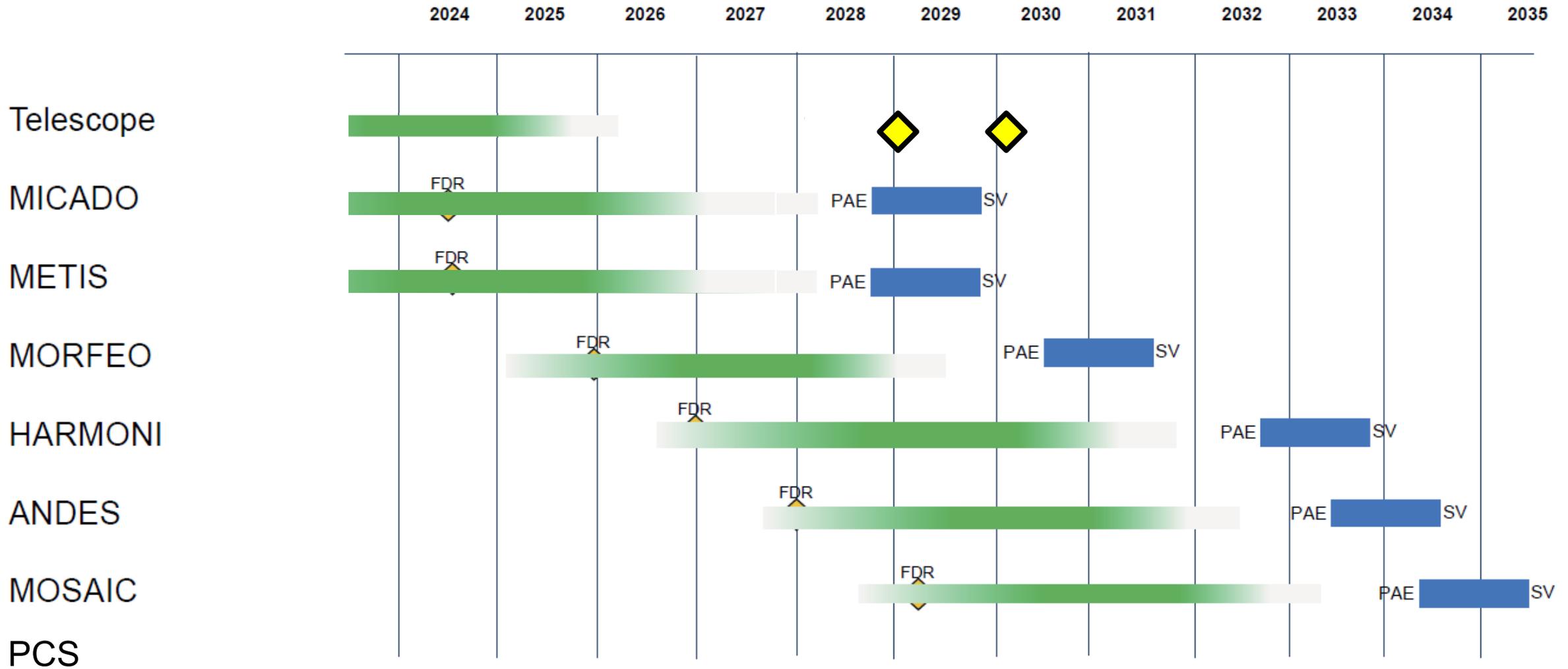
Number of Procurements



Register!  
[www.eso.org/public/industry/](http://www.eso.org/public/industry/)



# Indicative Procurement Schedule for ELT & Instrumentation



**Procurements:** by agreement, and subject to specific review, long lead items may be procured before FDR  
 Bars are indicative only

>100M€

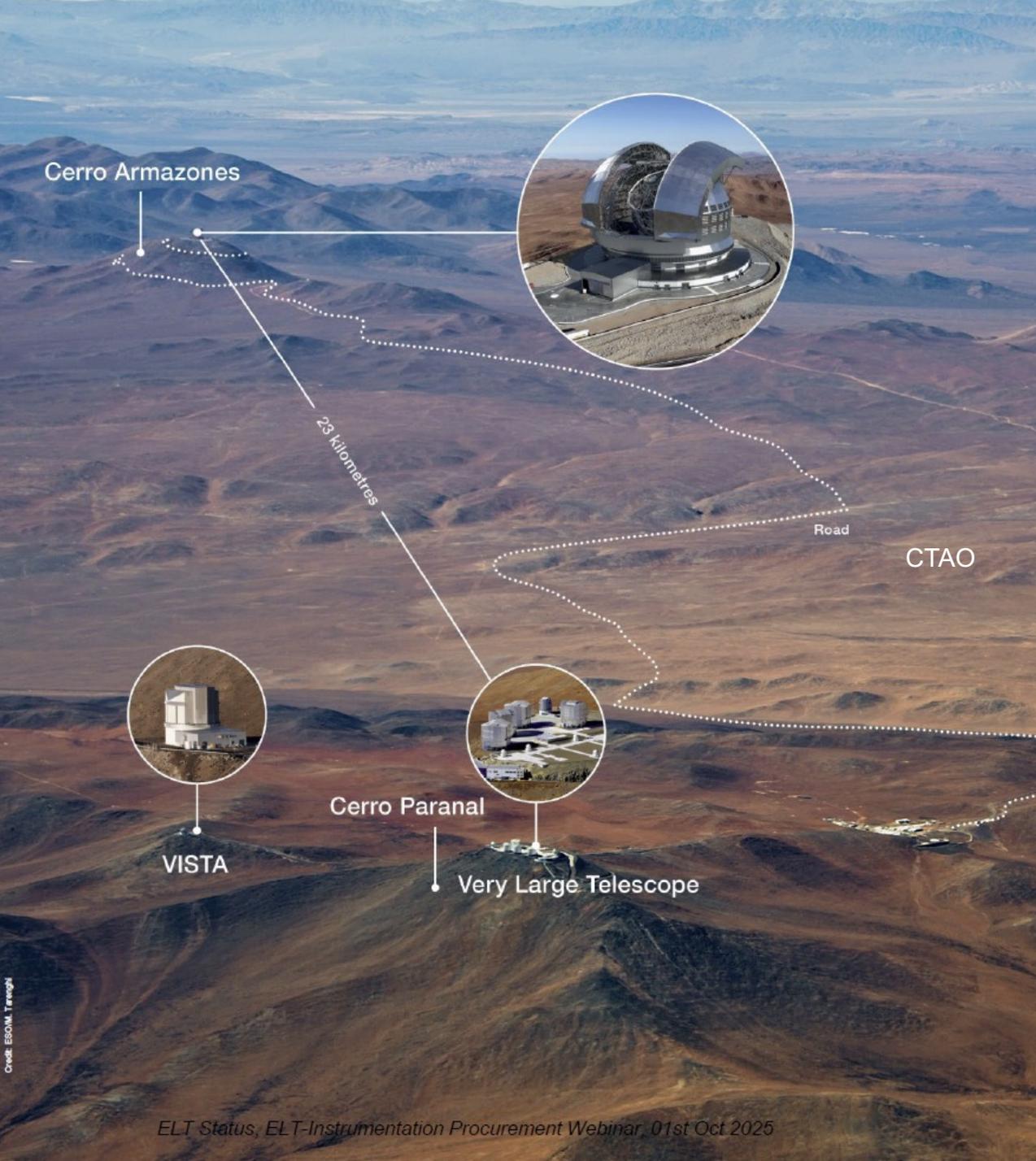
# The ELT

Is being built on Cerro Armazones in the Chilean Atacama Desert, at 3046 metres altitude and just 23 kilometres from the site of ESO's Very Large Telescope (VLT) at Paranal

Construction 2014-2030 (~1500 MEUR)

First scientific light by the end of 2030

For details and updated status, visit [elt.eso.org](http://elt.eso.org)



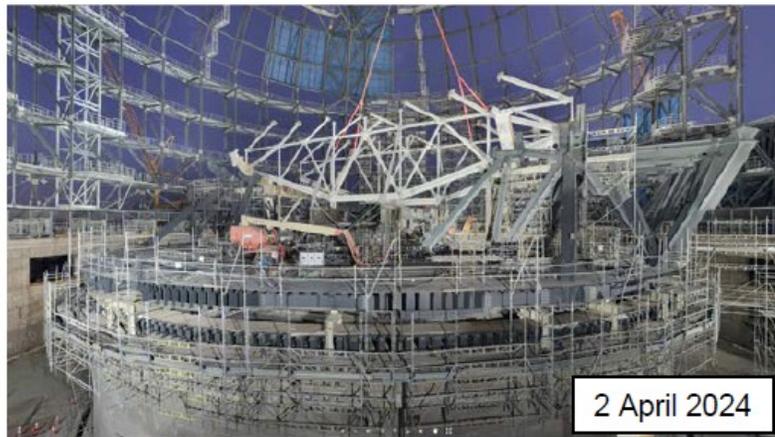
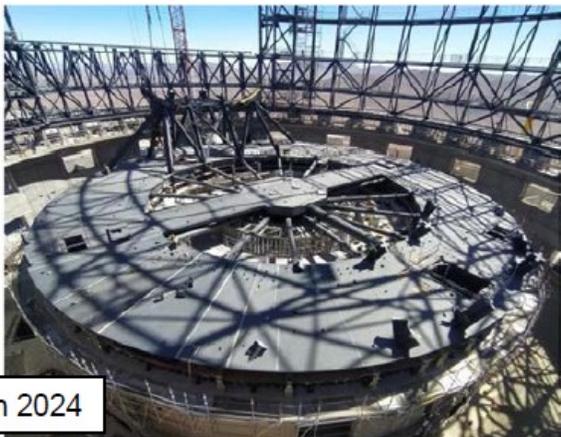
# A Busy 2024 Year On-Site (Dome Erection)



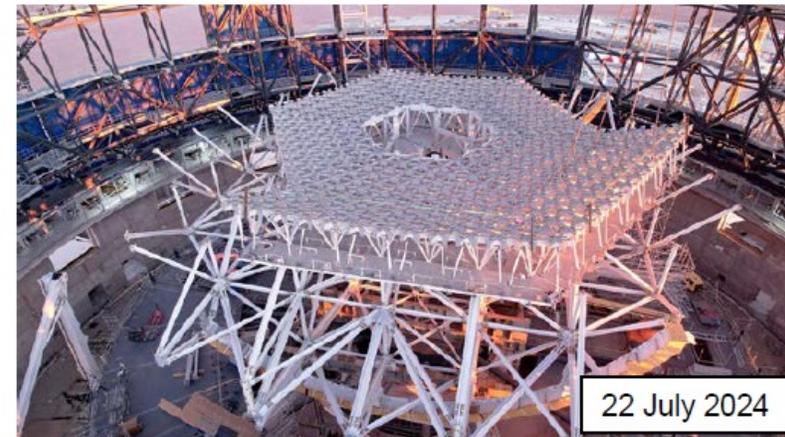
# A Busy 2024 Year On-Site (Telescope Erection)



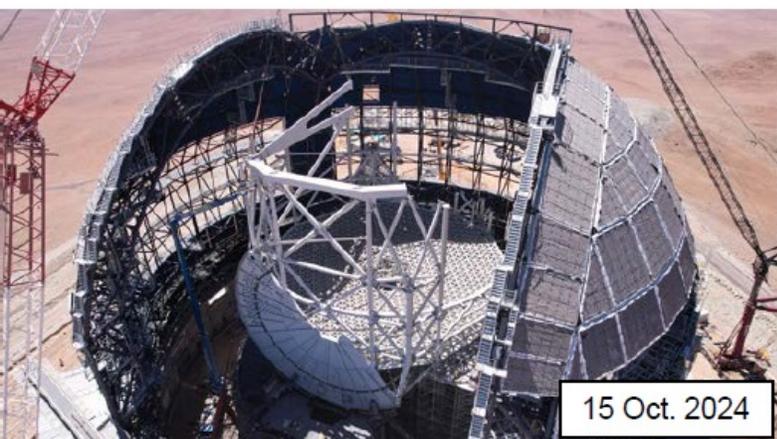
5 Jan 2024



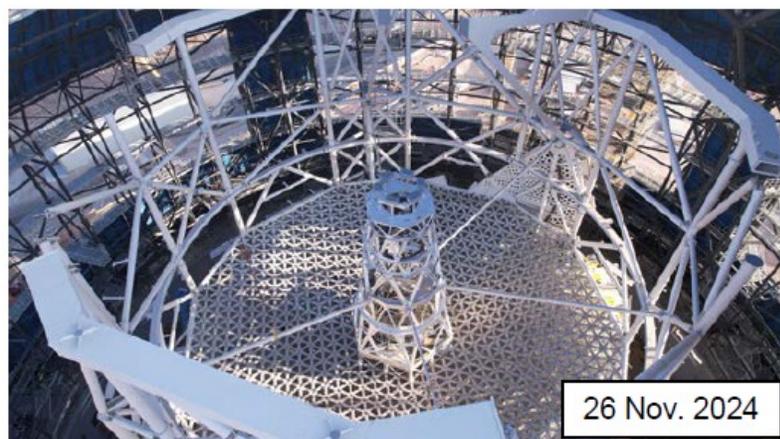
2 April 2024



22 July 2024



15 Oct. 2024



26 Nov. 2024



Dec. 2024



# ELT Webcams







# ESO ELT Roofing Ceremony





TNO



DEMCON



TIME Recorder Inside  
OPTICAL GLASS COMPONENT

Lift here with forks 1.8m

77  
10.03

TIME Recorder Inside  
OPTICAL GLASS COMPONENT

Lift here with forks 1.8m

138  
10.01

SHOCK, T<sup>o</sup> & VIBRATION Recorder Inside  
VERY FRAGILE OPTICAL GLASS COMPONENT

Lift here with forks 1.8m

490  
10.04

SHOCK, T<sup>o</sup> & VIBRATION Recorder Inside  
VERY FRAGILE OPTICAL GLASS COMPONENT

Lift here with forks 1.8m

490  
10.04

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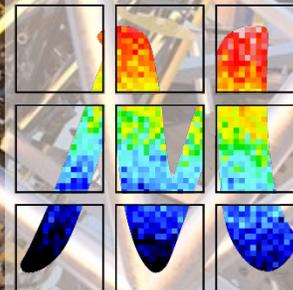
490  
10.04

SHOCK, T<sup>o</sup> & VIBRATION Recorder Inside  
VERY FRAGILE OPTICAL GLASS COMPONENT

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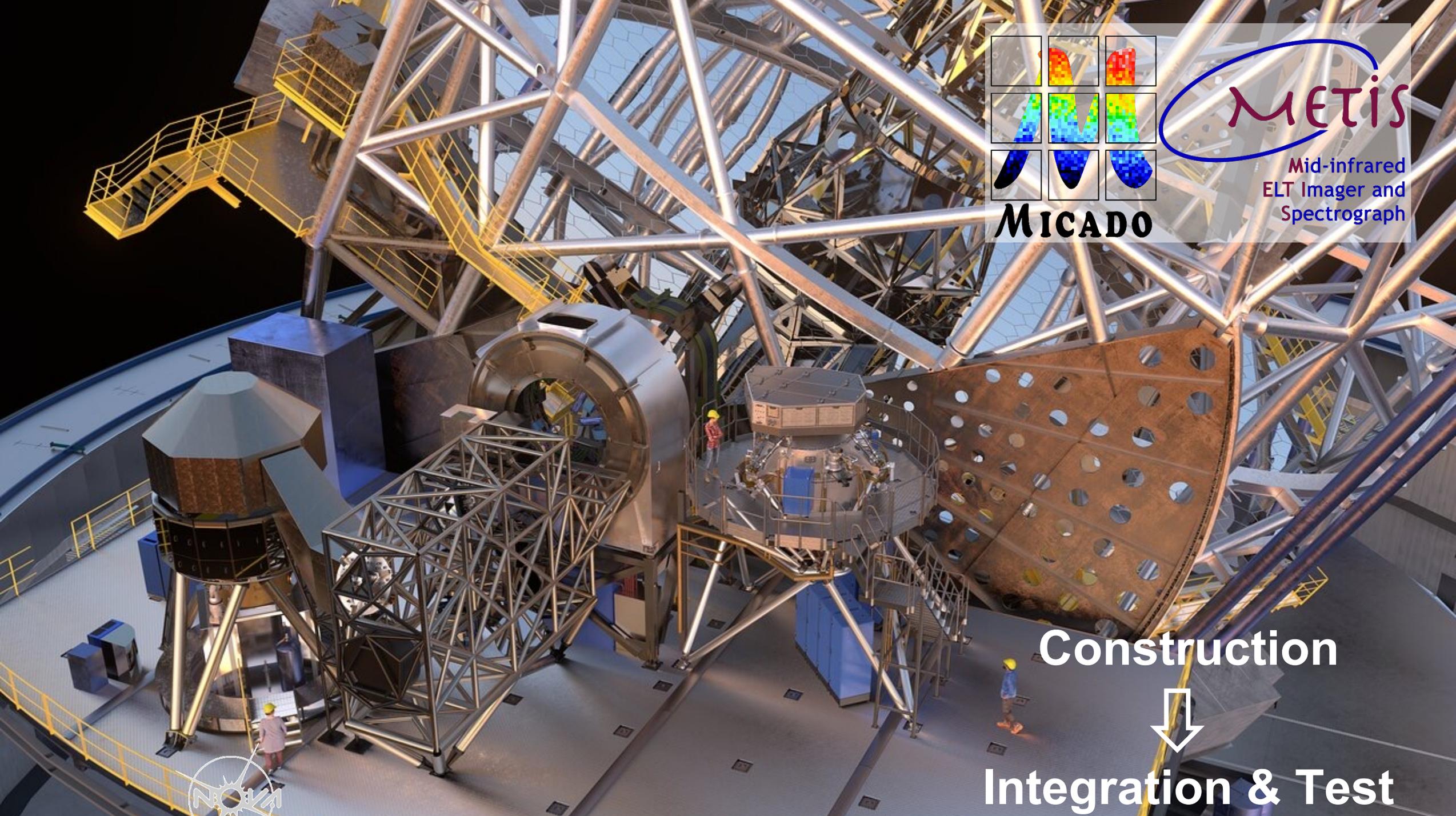




**MICADO**

**METIS**

Mid-infrared  
ELT Imager and  
Spectrograph

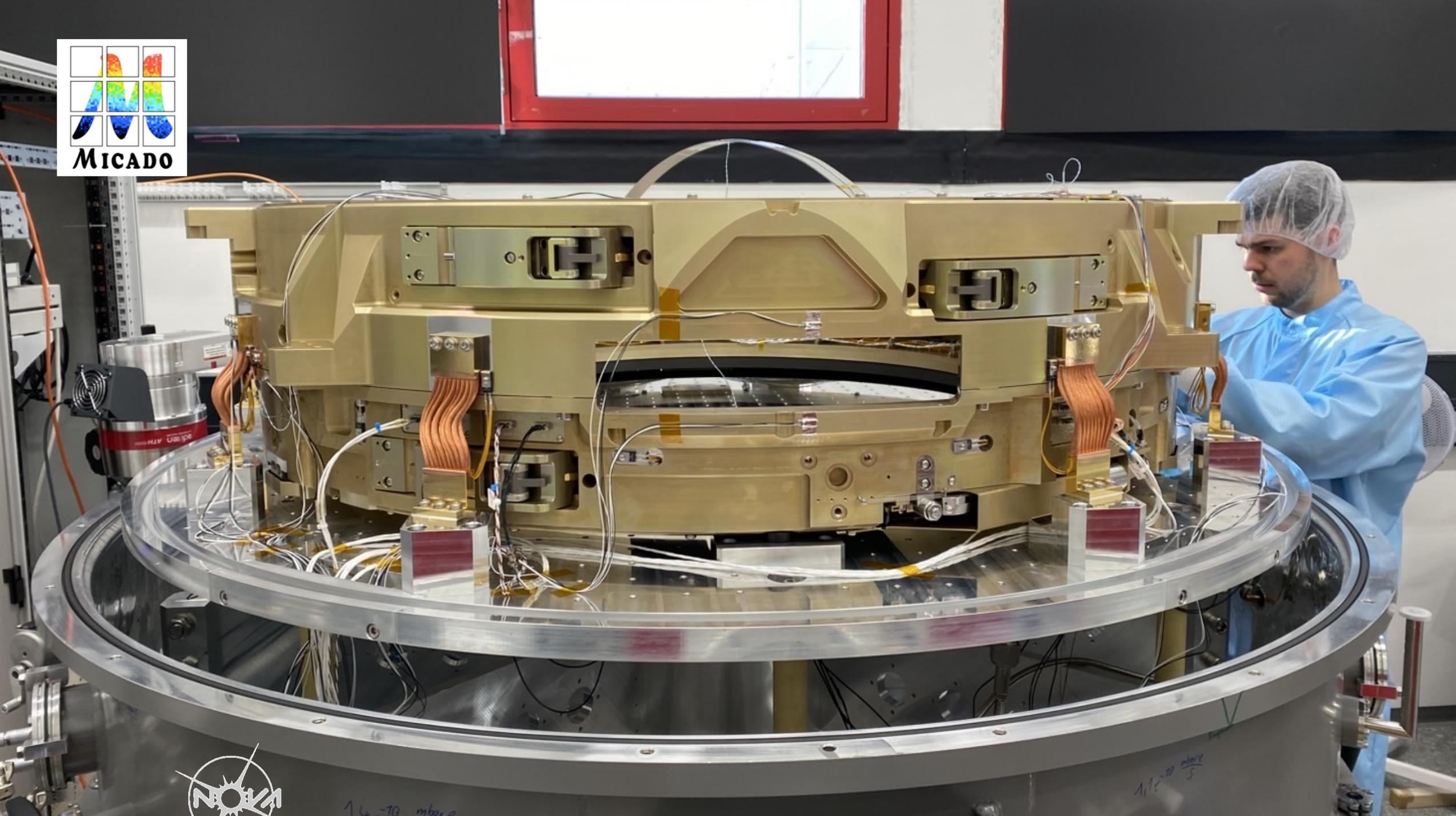
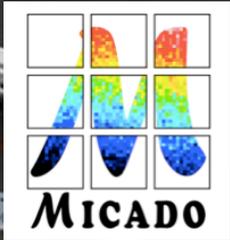


**Construction**



**Integration & Test**

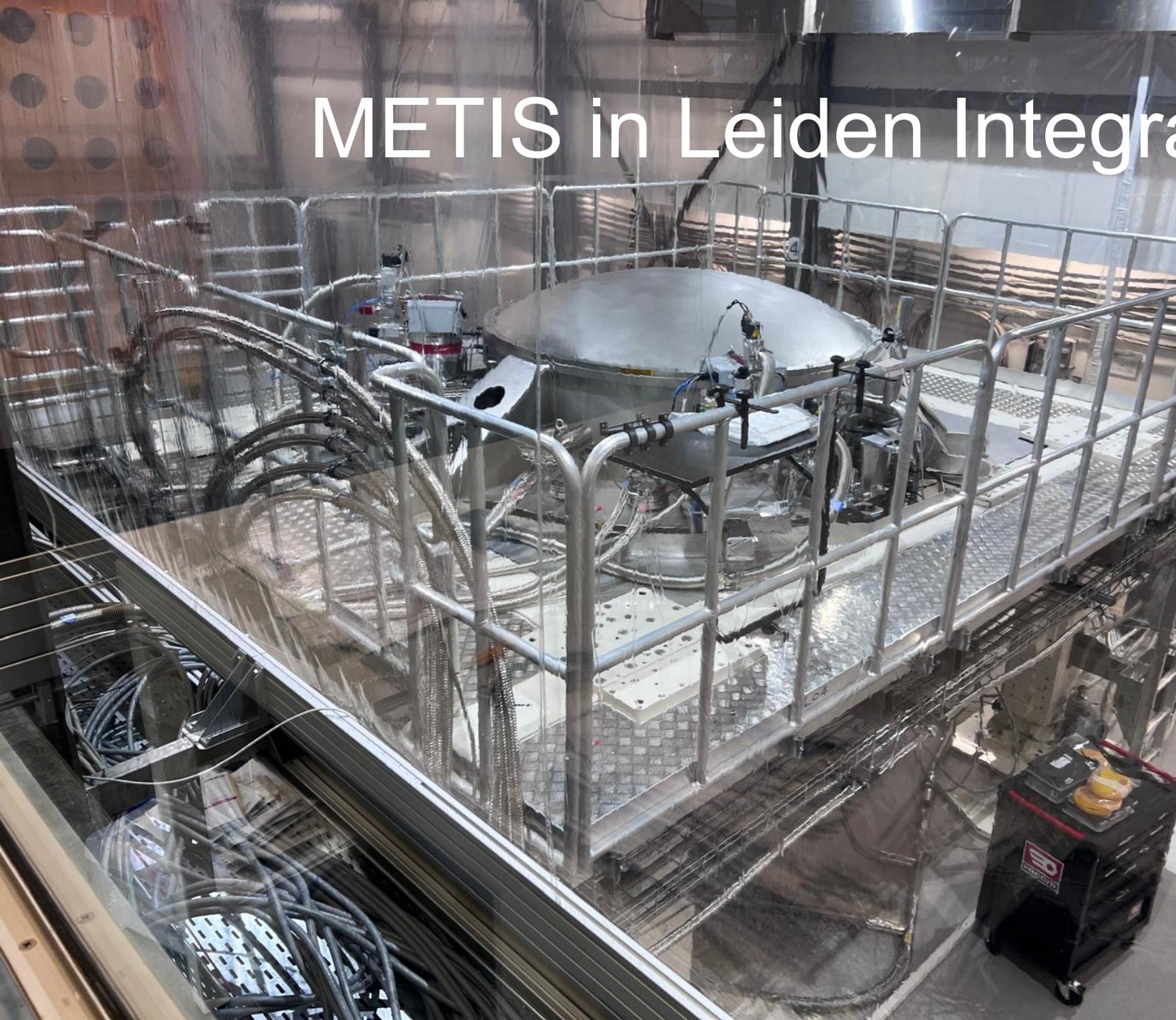




16-10 mbca

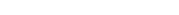
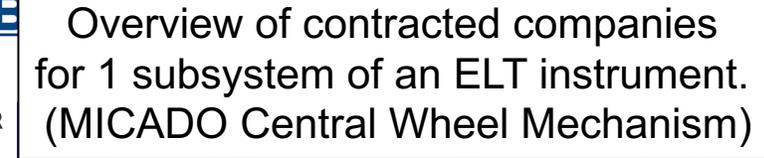
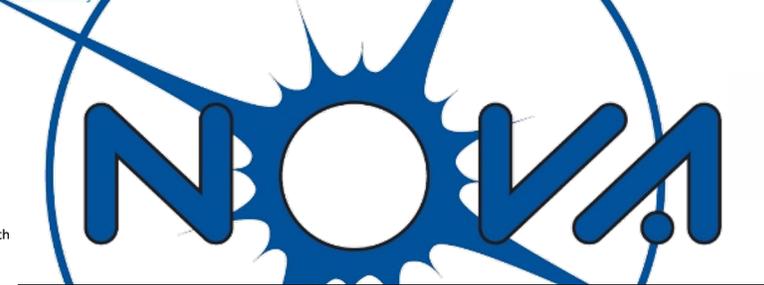
1/1-10 mbca  
5

# METIS in Leiden Integration Hall





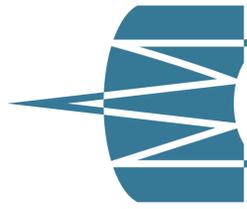
Overview of contracted companies  
for 1 subsystem of an ELT instrument.  
(MICADO Central Wheel Mechanism)





# NOVA MAX Relocation to NOVA MAX 2

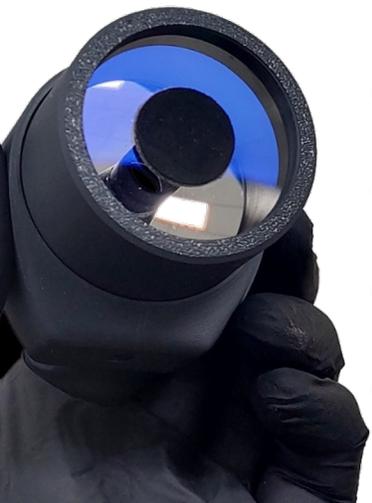




# TINY TELESCOPE

# APPLICATIONS

- High Resolution Earth Imaging
- Science: Solar System Exploration
- Space Safety: Imaging Satellites
- Star Tracker
- Laser Communication
- Medical Imaging
- Drone Imaging
- Automated Inspections
- Surveillance
- Phone Camera





# **SPIE.** ASTRONOMICAL TELESCOPES+ INSTRUMENTATION

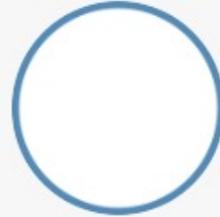
5-10 July 2026 | Copenhagen, Denmark





# BSBF Maastricht

# Big Science Business Forum 2026



**MAASTRICHT**  
**27-30 OCTOBER 2026**

MECC | Maastricht - the Netherlands

2018 Copenhagen  
2022 Granada  
2024 Trieste



# BSBF Maastricht

[bsbf2026.org](http://bsbf2026.org)

# BSBF 2026

## Big Science Organisations

