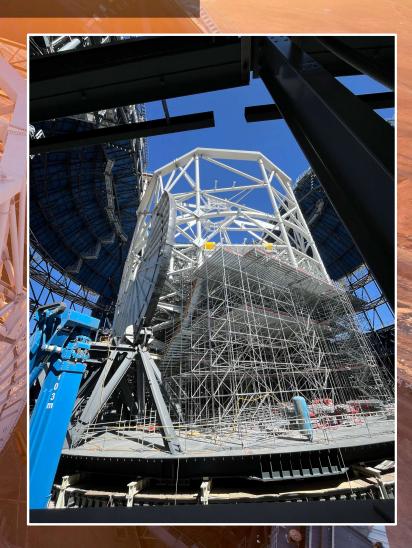
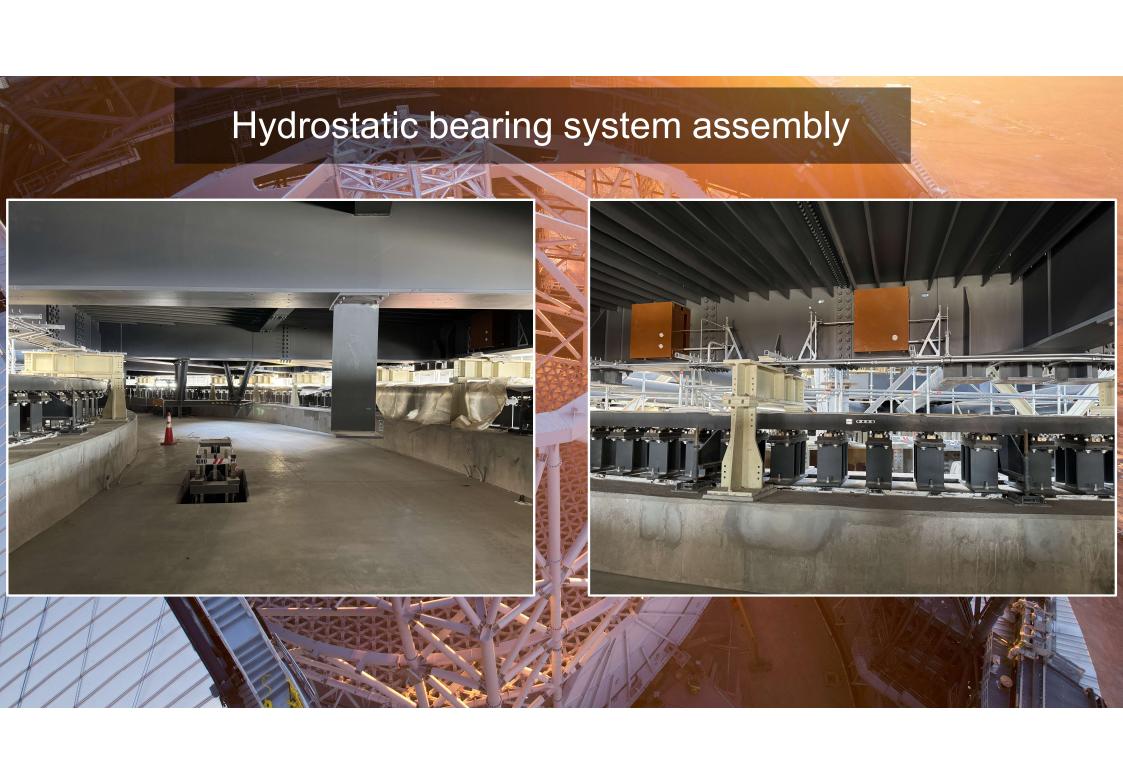
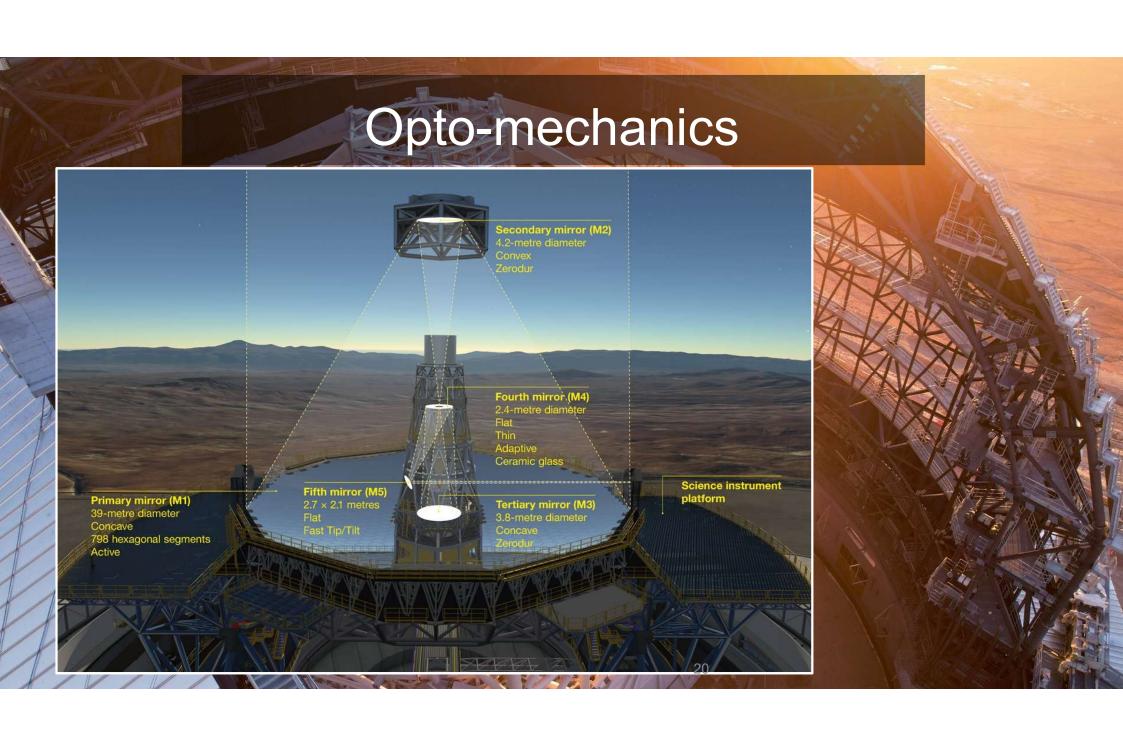


Nasmyth Platforms

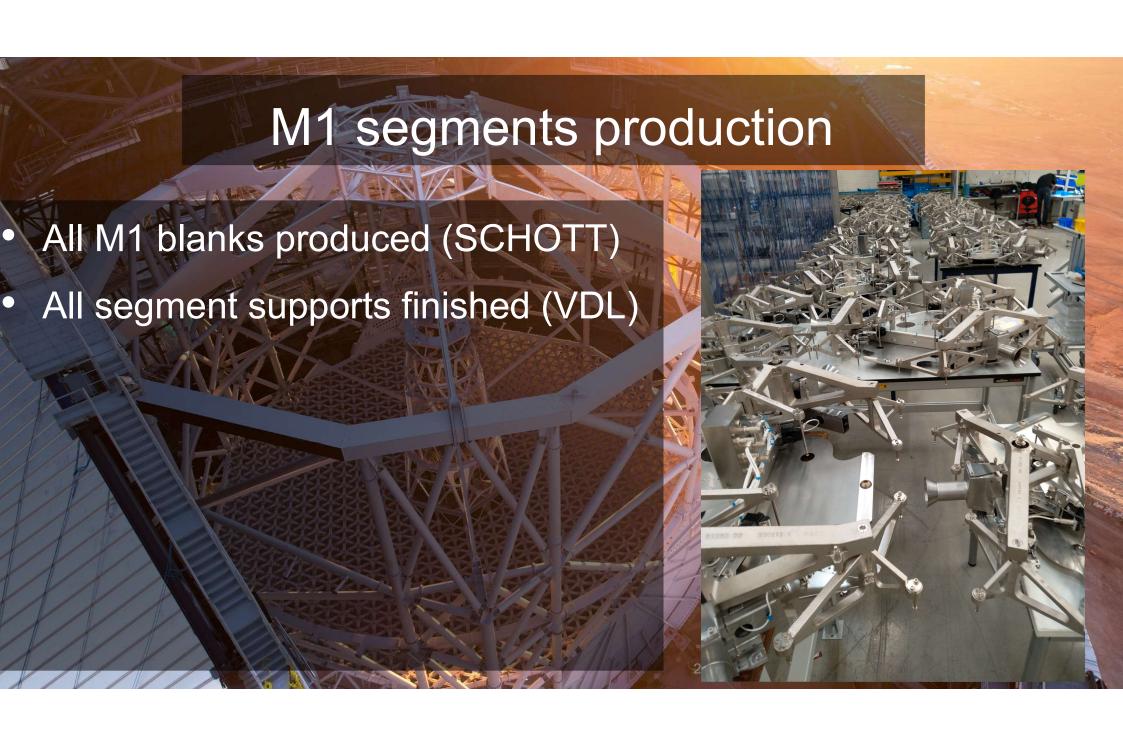


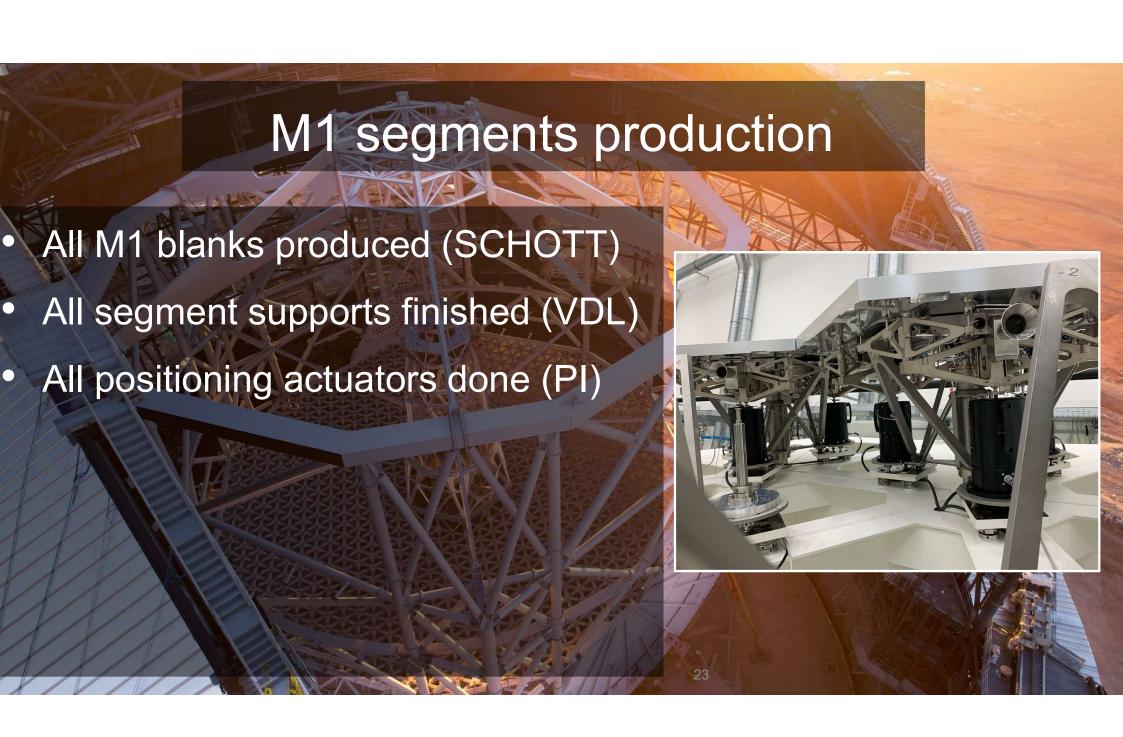














- All M1 blanks produced (SCHOTT)
- All segment supports finished (VDL)
- All positioning actuators done (PI)
- All Edge Sensors at Paranal (microepsilon)



M1 segments assemblies status

As of mid-February:

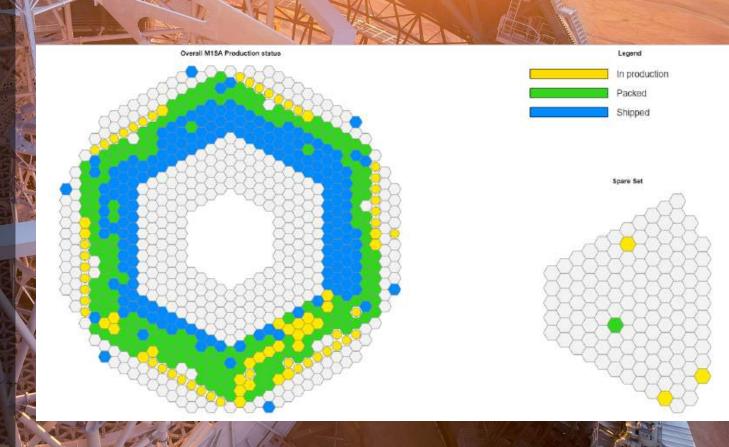
- Produced: 364 (+81 in production)
- On-site: 180
- Coated: 162 (+10 with

issues)

Production 7/week at Reosc

Fantastic optical quality

Some quality issues occurred and are being solved



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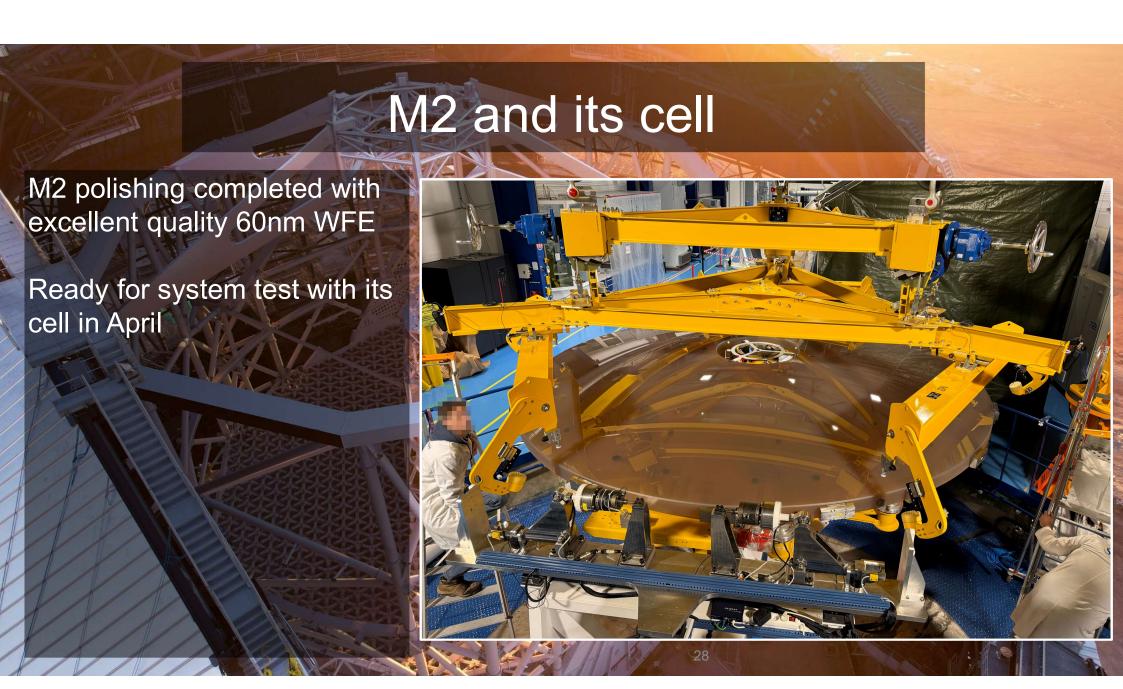
Production 7/week at Reosc

Fantastic optical quality

Some quality issues occurred and are being solved

Coating plant fully operational







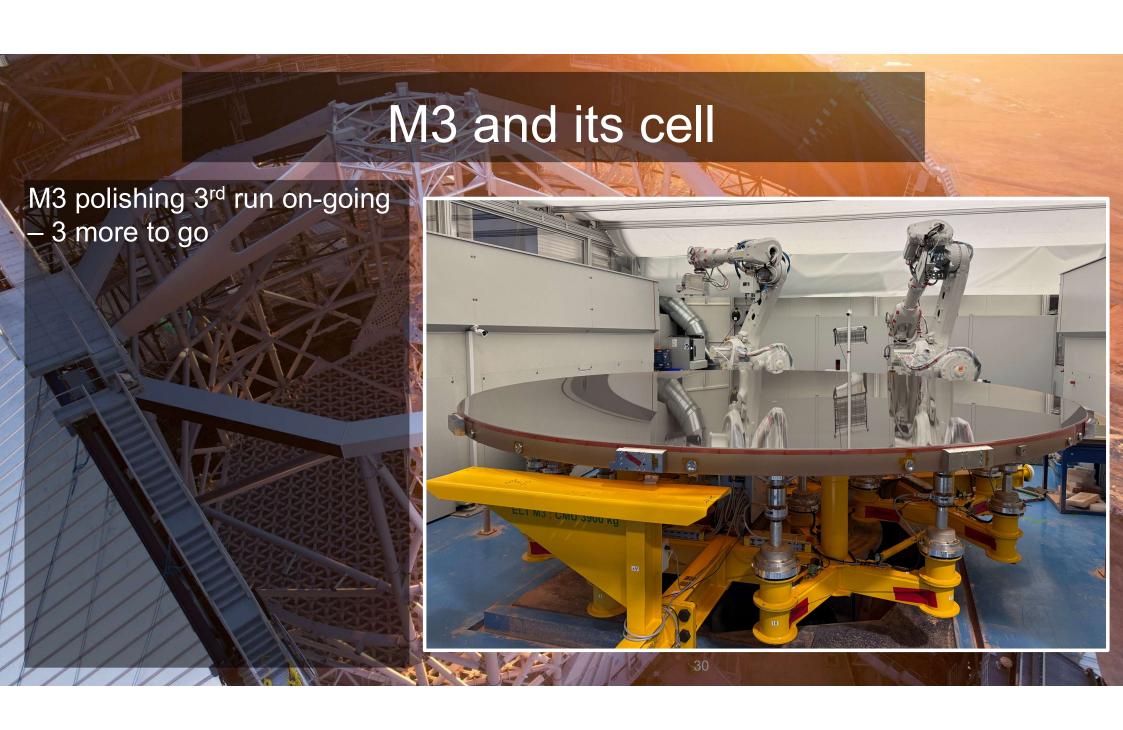
M2 polishing completed with excellent quality 60nm WFE

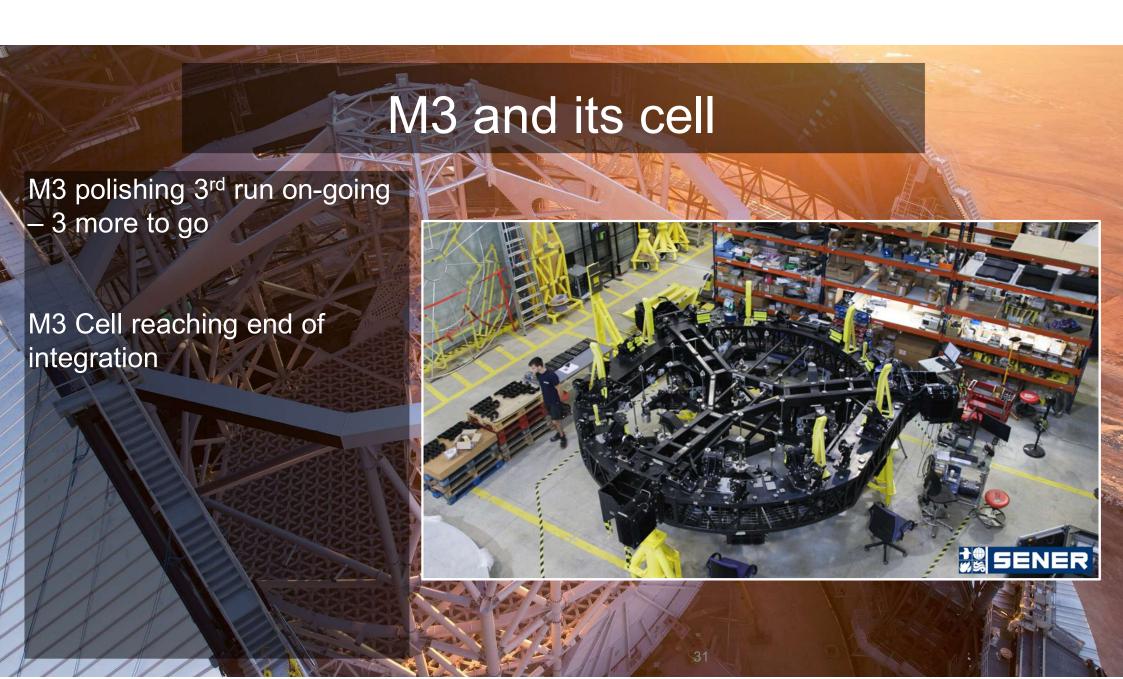
Ready for system test with its cell in April

M2 cell verification for system tests granted

Delivery to Reosc in coming days











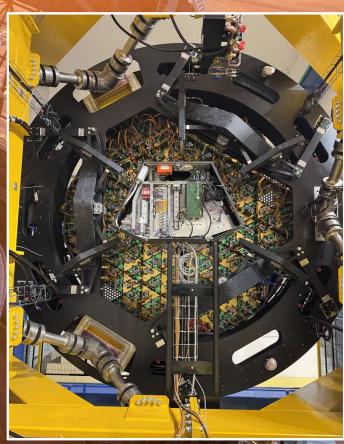
All M4 shells (x12) are finished

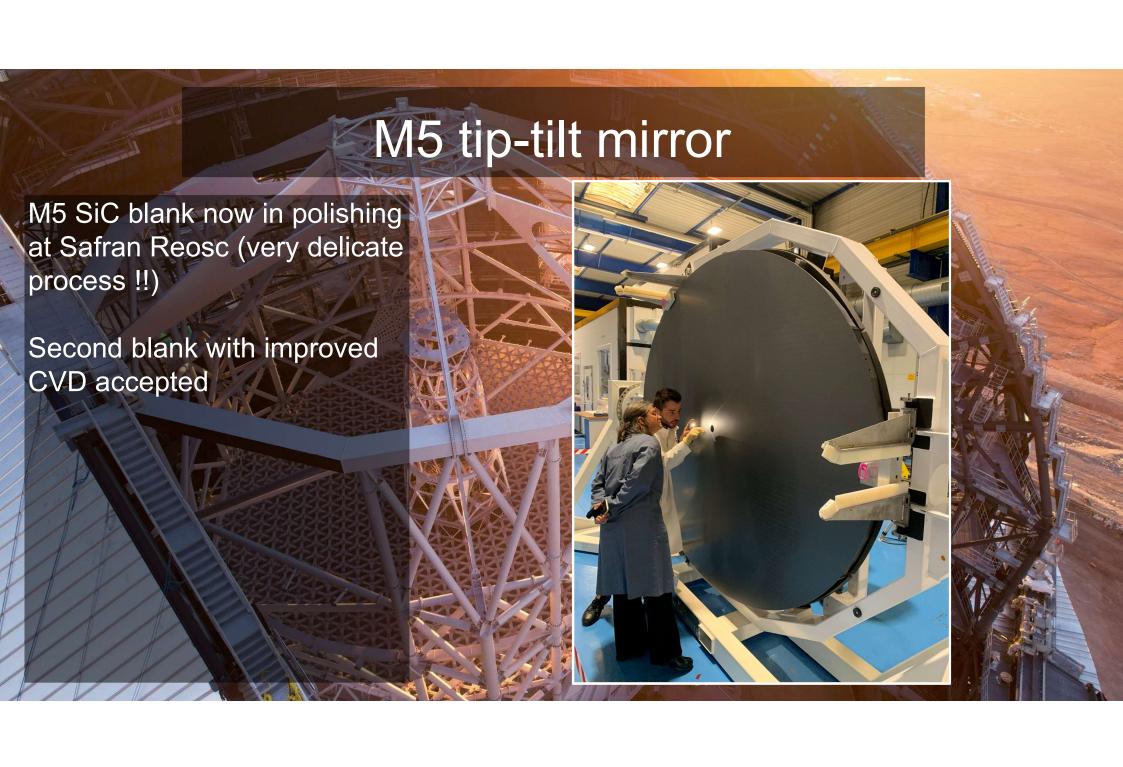
All membrane interfaces bonded

M4 arrived at Microgate

Actuators bricks being integrated







M5 tip-tilt mirror

M5 SiC blank now in polishing at Safran Reosc (very delicate process !!)

Second blank with improved CVD accepted

M5 cell at ESO Garching for control test



M5 tip-tilt mirror

M5 SiC blank now in polishing at Safran Reosc (very delicate process !!)

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M5 cell at ESO Garching for control test

Risk mitigation: zerodur smaller commissioning M5 in production







Host the 3 guide probes + M6 for lateral ports

Analyze the light to send command to RTC (+10000 actuators)



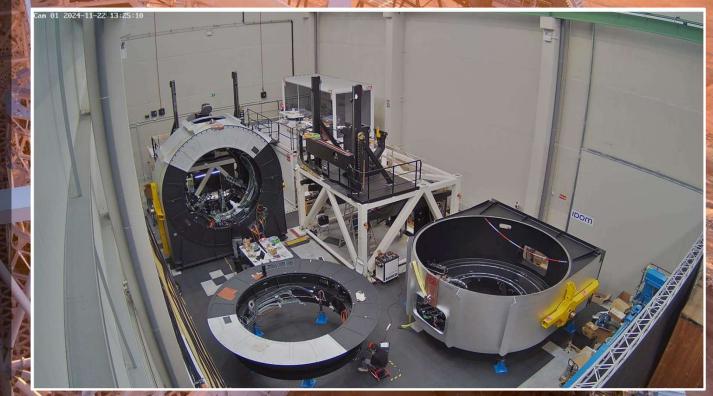
Pre-focal stations (OFS)

Host the 3 guide probes + M6 for lateral ports

Analyze the light to send command to RTC (+10000 actuators)

Factory acceptance this month at IDOM

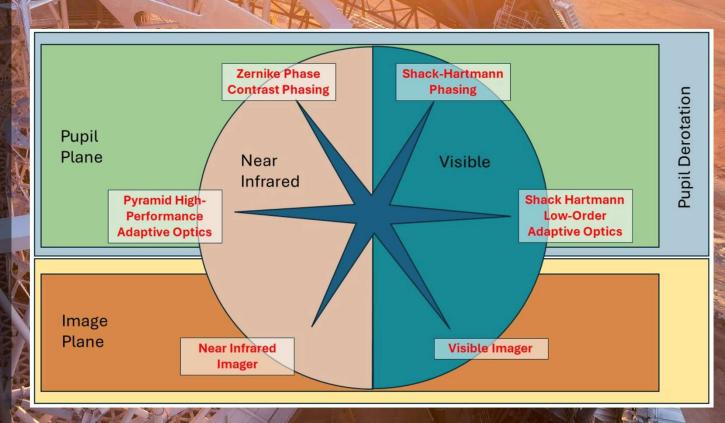
Followed ESO test campaign



Phasing & diagnostic station (PDS)

PDS is the primary metrology tool of the ELT for:

- Phasing the M1
- Demonstrating diffraction limited performance
- Commissioning + operations



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In integration at ESO Garching





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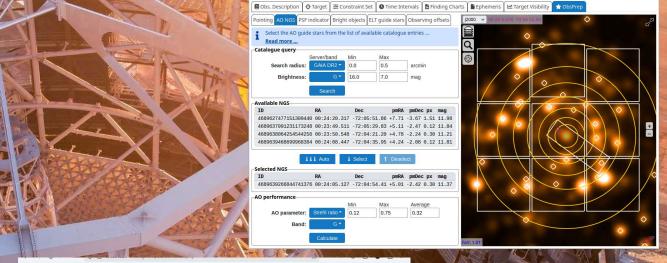


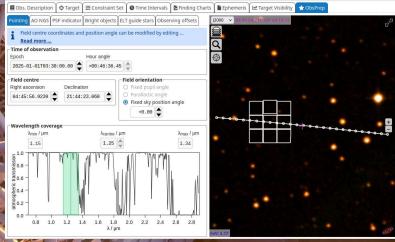




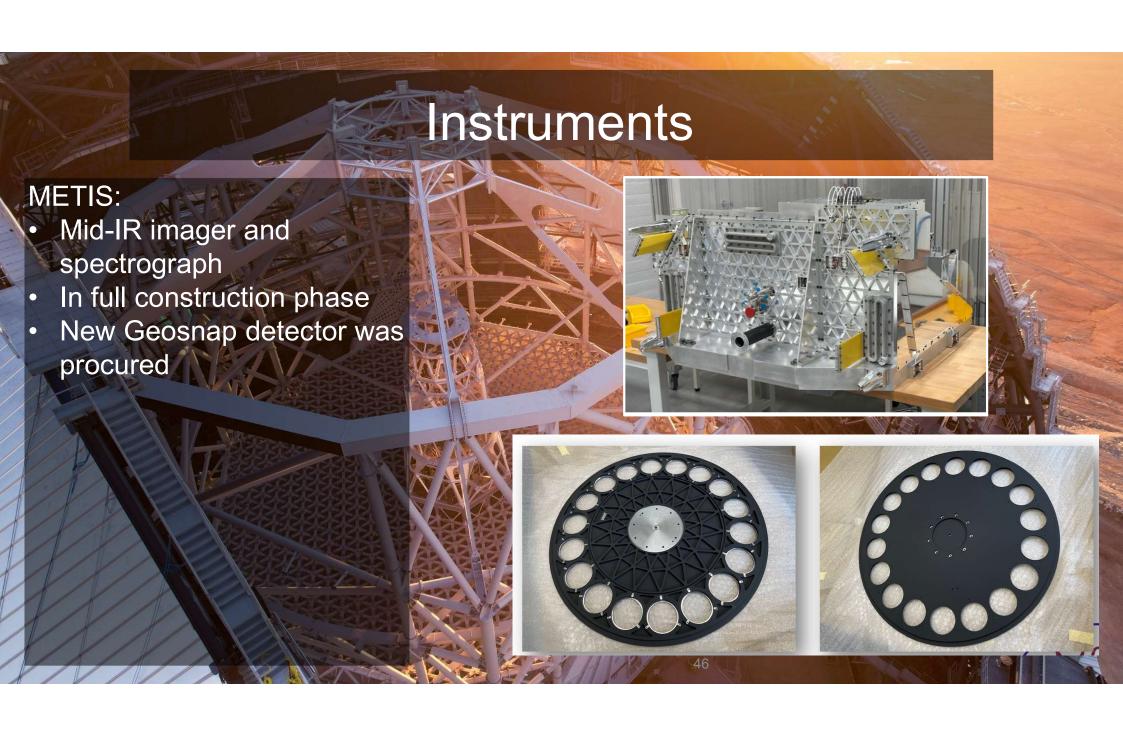
MICADO:

- NIR imager and spectrograph
- Passed FDR and in full construction phase
- Difficulties with cold optics but towards resolution
- Observation preparation tools in development





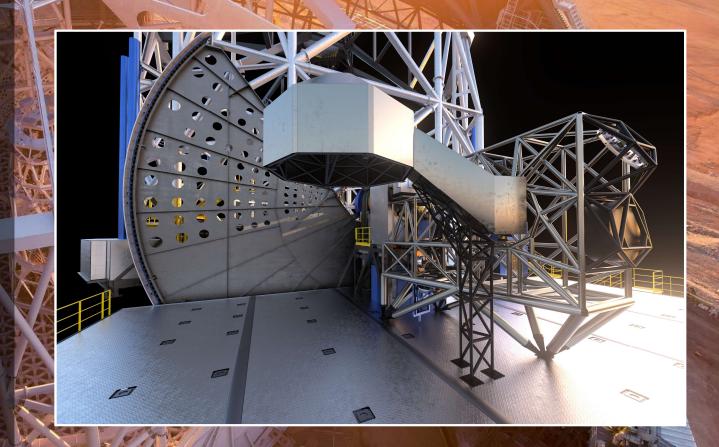




Instruments

MORFEO:

- The MCAO module for MICADO (and HARMONI)
- Passed optics FDR large optics being procured
- Two large DMs passed FDR
- Preparing full FDR end of this year



Instruments

HARMONI:

- Vis/Near-IR diffraction limited IFU
- In rescoping phase
- Assessing move behind MORFEO

