

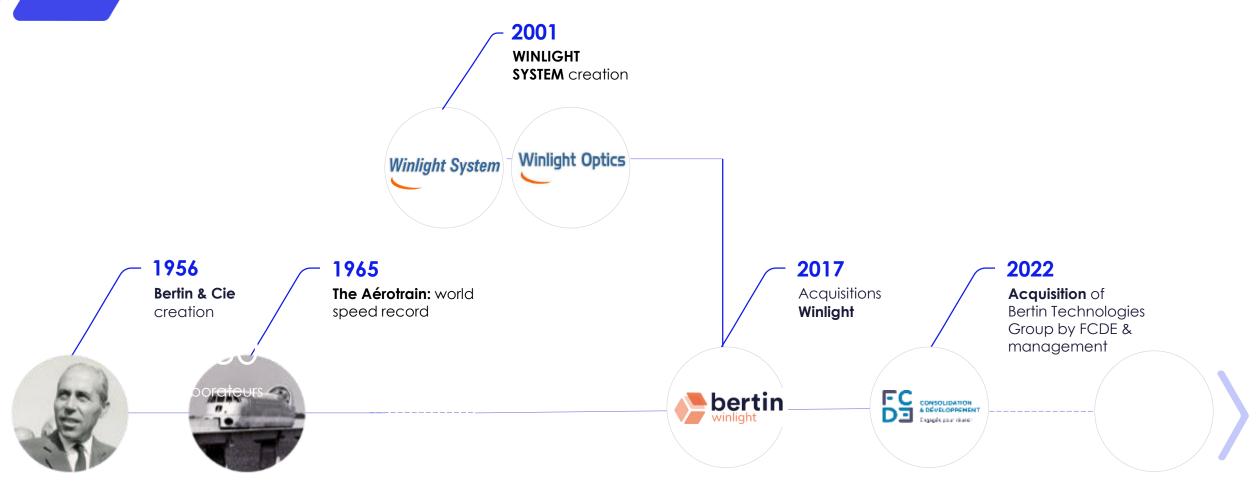
FEET ON THE GROUND



EYES ON THE SKY

BERTIN WINLIGHT 20 YEARS OF OPTICS FOR ESO

65 YEARS OF INNOVATION & INDUSTRIAL ADVENTURE

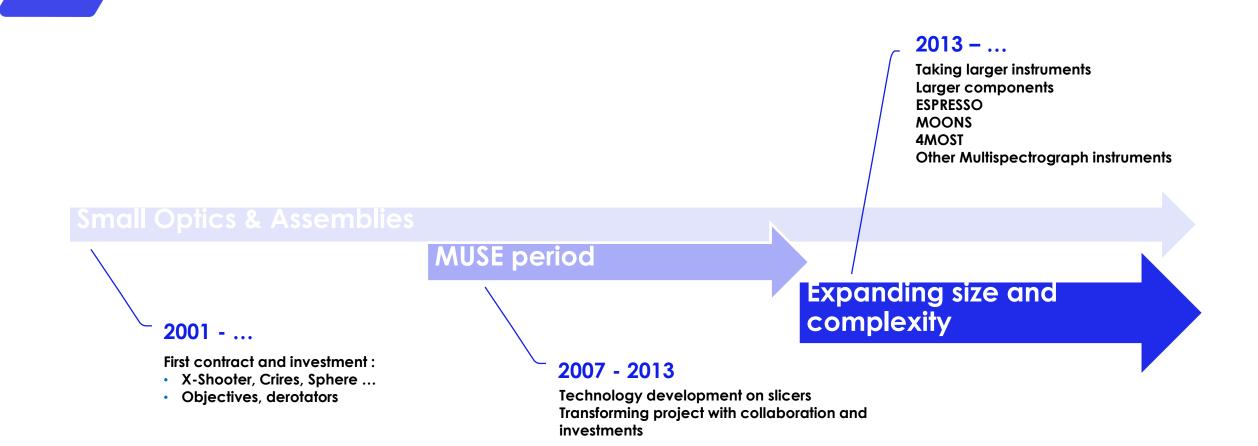




SCIENTIFIC INSTRUMENTATION FOR CRITICAL APPLICATIONS



ESO PROJECTS HISTORY @ BERTIN WINLIGHT



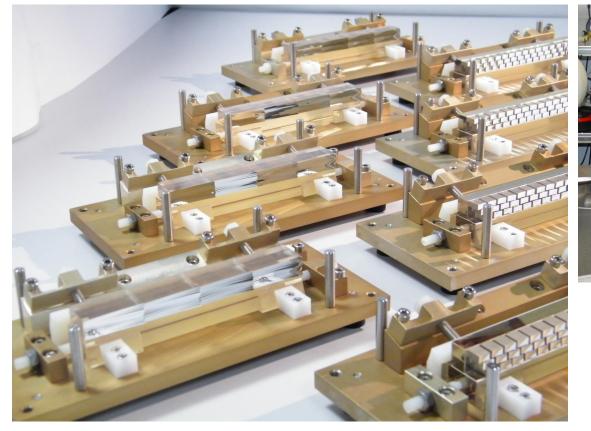


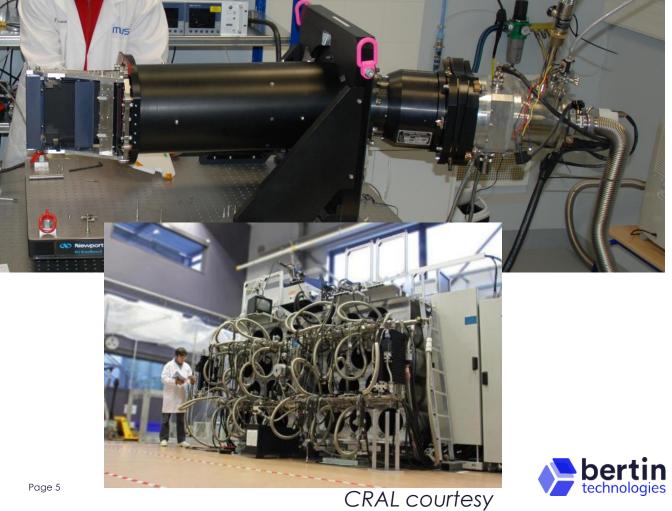


MUSE ADVENTURE : A STRUCTURING PROJECT FOR WINLIGHT

24 images slicers (1148 slices)

24 spectrographes

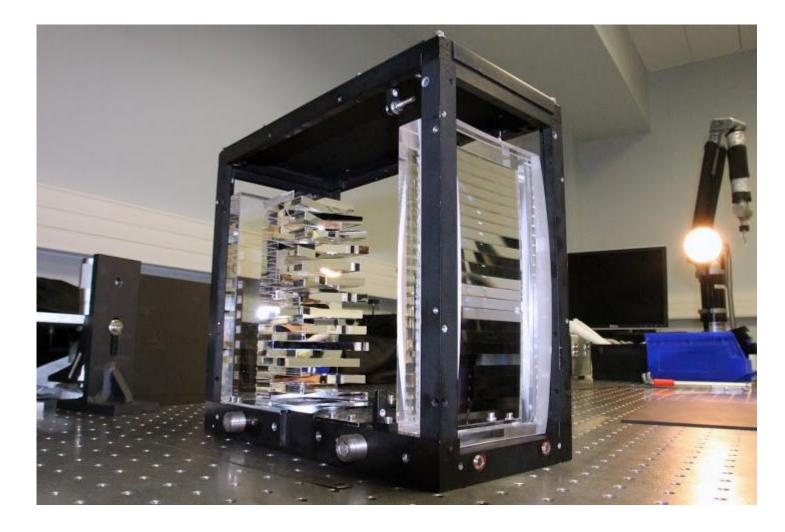






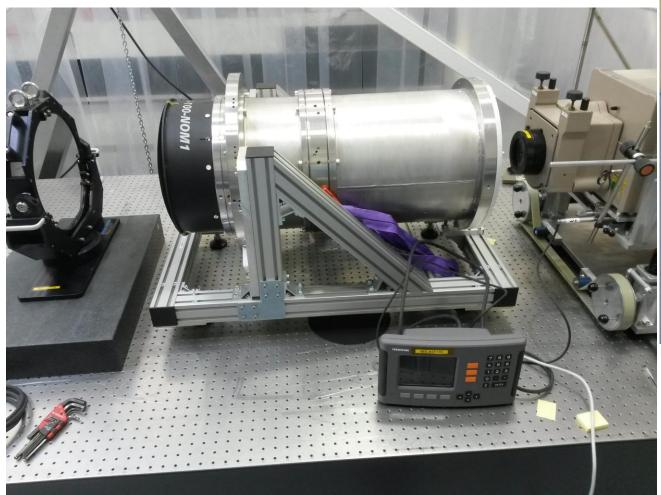
- 24 slicers
- 24 spectrographs
- 2x24 transport optics
- Fore optics with ADC
- FSO

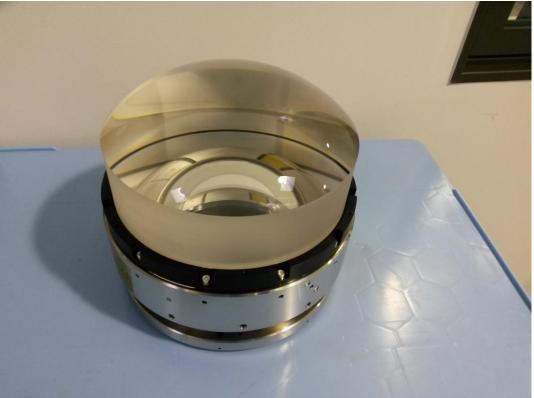
More than 2500 optical pieces











2 cameras with Ø300 mm lenses

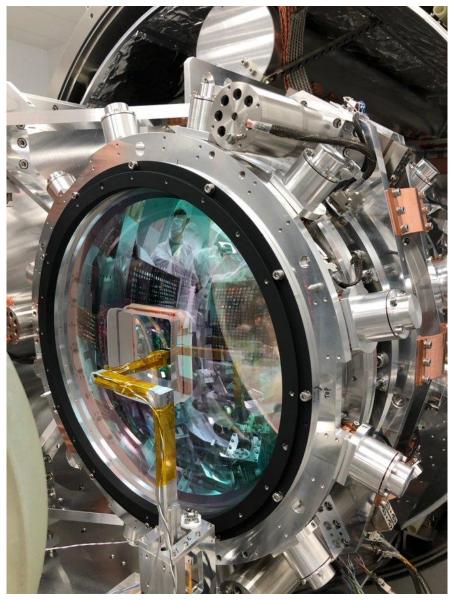






6 sets of :

Ø400 mm Mirrors Lenses L1+L2 (Ø400 mm)

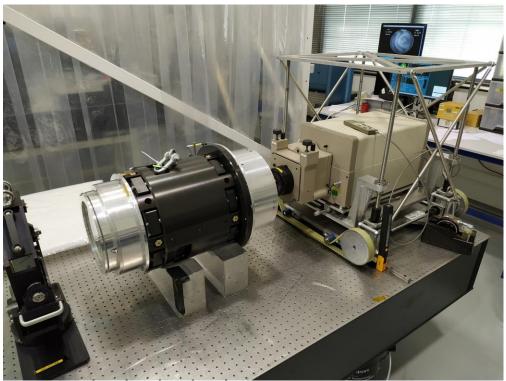


UK ATC courtesy





- Cameras
- Collimators
- Correctors

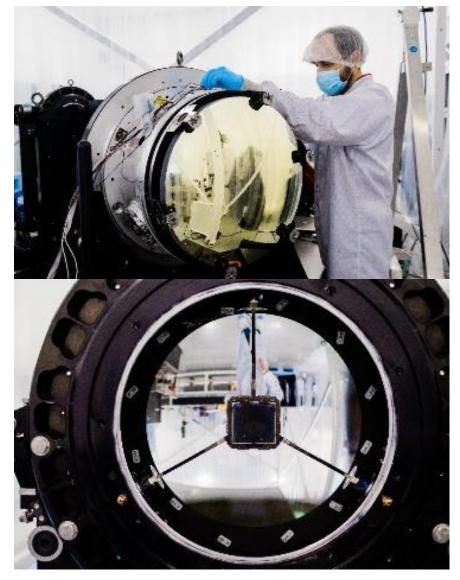


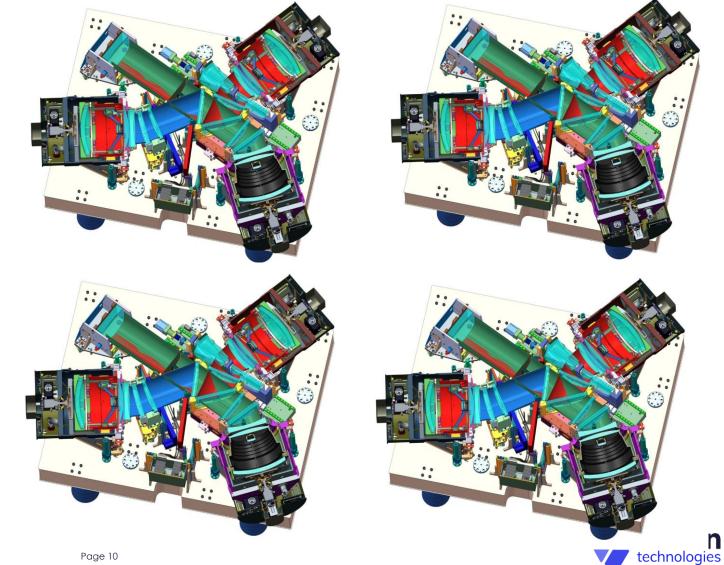


CRAL courtesy

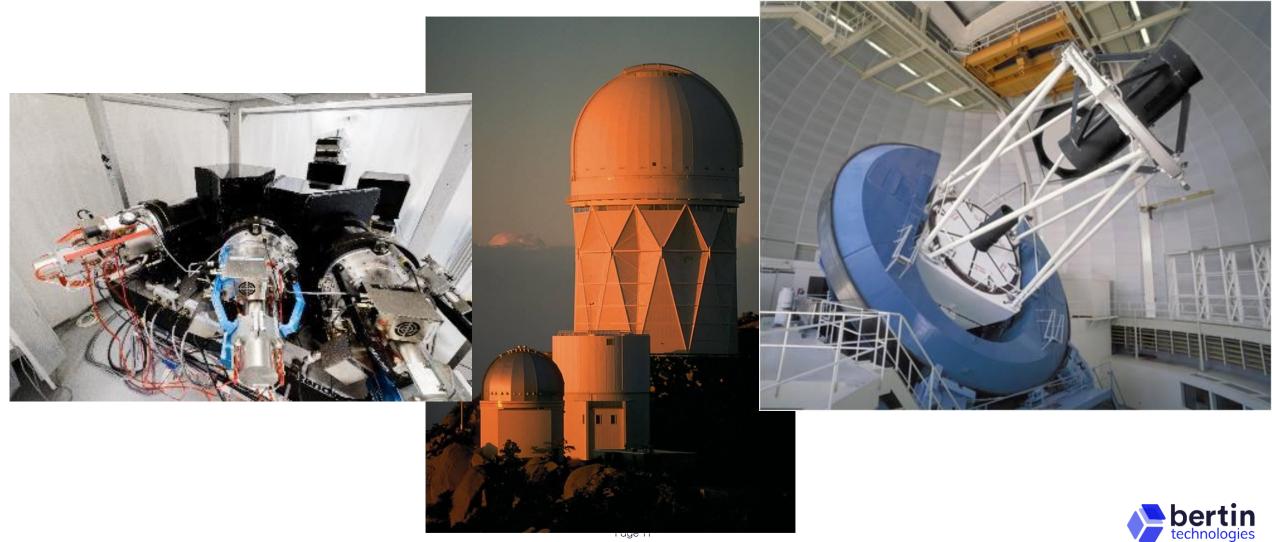


MUSE POSITIVE IMPACT ON CREDIBILITY FOR MULTISPECTROGRAPH INSTUMENTS : PFS SUMIRE

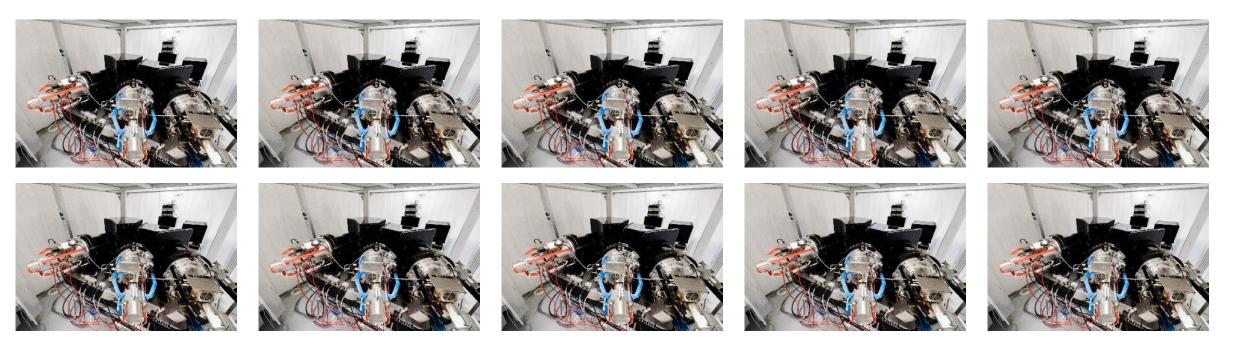




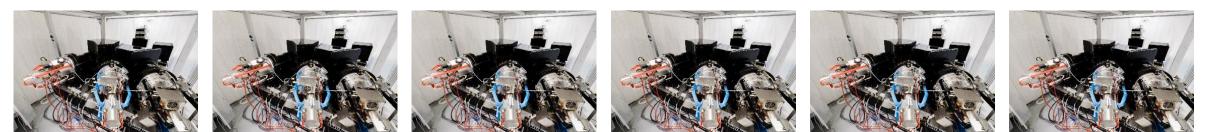




MUSE POSITIVE IMPACT ON CREDIBILITY FOR MULTISPECTROGRAPH INSTRUMENTS : DESI



+ (LVM for SDSS-V)





FUTURE : OUR AMBITION FOR BERTIN WINLIGHT

- Bertin Winlight to continue to provide cutting edge instrumentation for ESO needs
 - Harmoni ?, BlueMuse ?, Micado ?, Cubes ?, Mosaic ?
 - • •
- Bertin Winlight to continue to operate throughout the complete value chain, from engineering through production and AITV
- Bertin Winlight to continue to focus on high performance solutions and more and more deterministic processes (less operator dependent)

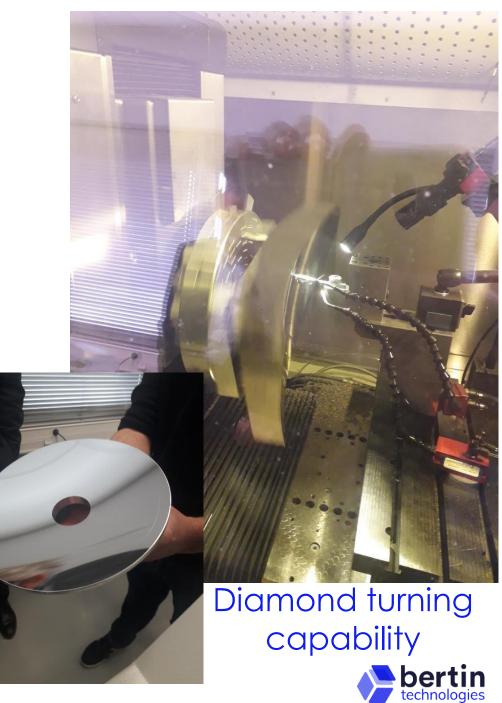




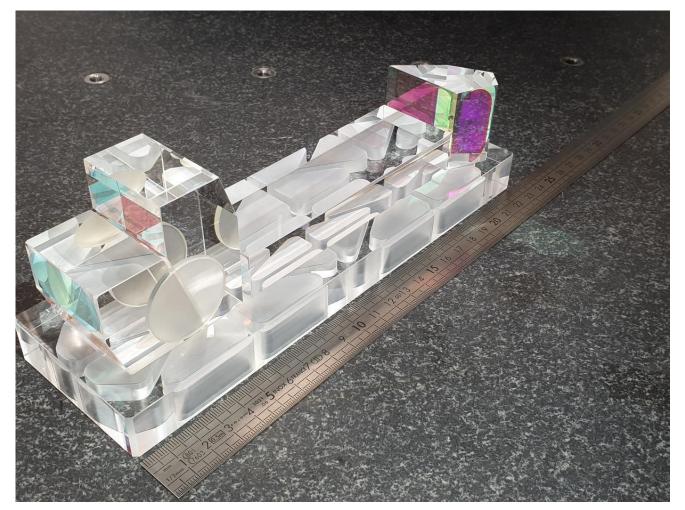
NEW CAPABILITIES



Expanding AIT capability by 2000 m²



NICE OPTICS FOR FUN...

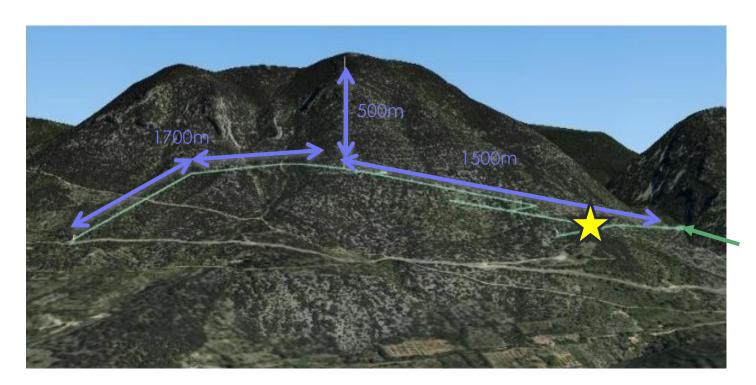


Optical contacted Mach-Zender interferometer

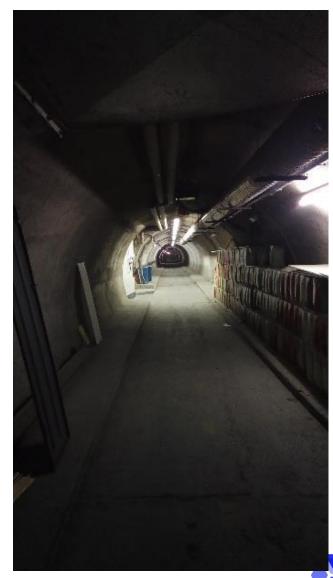




NICE PLACE TO BUILD FUN OPTICAL PIECES



BERTIN WINLIGHT future underground optical laboratory (-60 meters)



ber

echnologies