

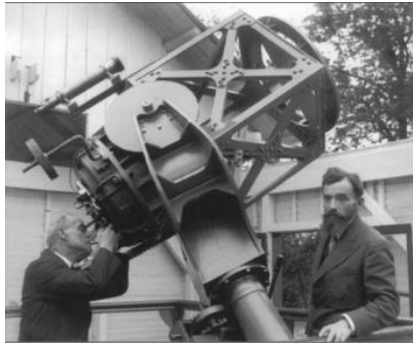
THE ESFRI 20TH ANNIVERSARY CONFERENCE INDUSTRY INVOLVEMENT SAFRAN REOSC : HIGH PERFORMANCE OPTICS

- March, 25th 2022



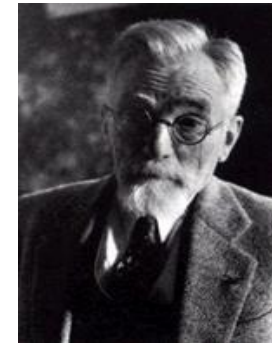
A prestigious scientific foundation

REOSC : Recherche et Etude en Optique et Sciences Connexes



The first RC telescope

Set up in 1937 by a group of scientists from Paris Institute of Optics including Charles FABRY and Henri CHRETIEN



Henri Chrétien
1879 - 1956

An 85-year legacy in excellence

for Science-Defense-Industry



1 pix IR cam

1937



Telescopes & spectrographs



coatings



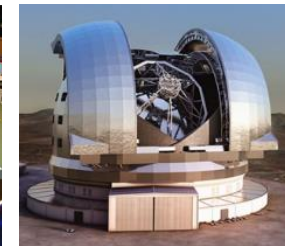
Space



VLT
2000



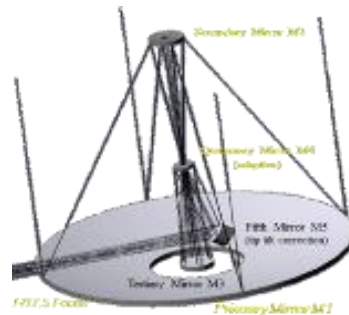
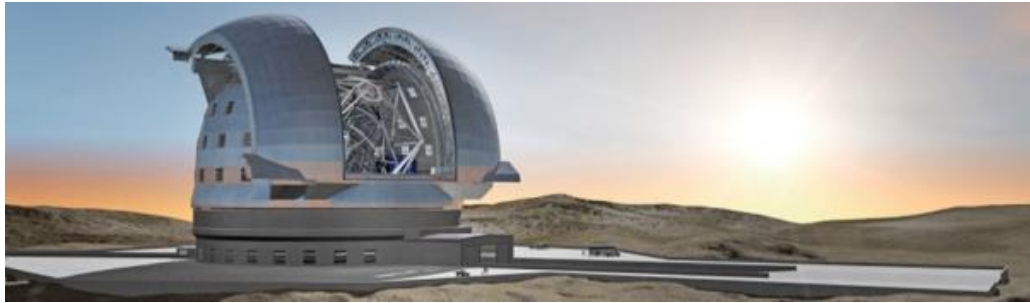
GTC
2010



ELT
2020

SAFRAN REOSC FOR Astronomy

Extremely Large Telescope



Safran Reosc for ESO

Very Large Optics (1 to 8-m class)



Segmented Mirrors



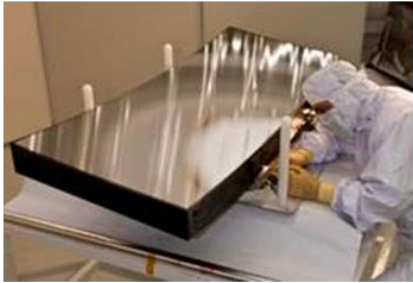
Lenses & Thin Shells



Large silicium carbide mirrors

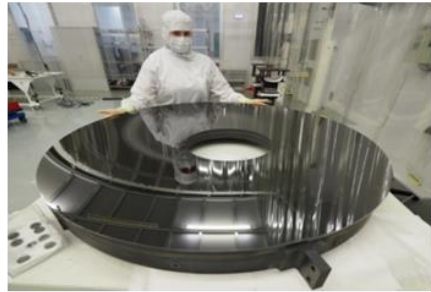
From European technology to Global markets and Competitiveness

GAIA
[Milky Way 3D map]



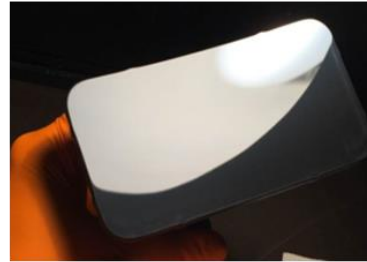
SiC mirror Ø1m

EUCLID
[Dark Univers map]



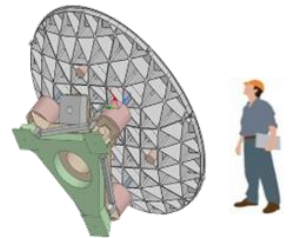
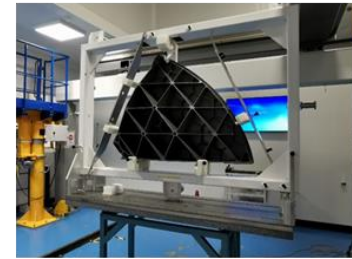
SiC Primary Mirror Ø1.25m

MicroCarb
[CO2 monitoring]



SiC freeform optics

HCT M5
[Image stabilization]



INSAT
[India Meteorology mission]

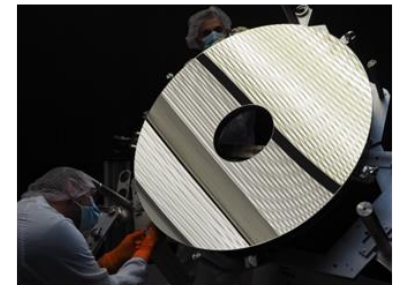


Scan Mirror in SiC

JWST NIRSpec instrument optics
[early universe search]



PLEIADES NEO
[Airbus for Earth Observation]



SiC Primary Mirror