

II-VI Aerospace & Defense Capabilities

Supporting IARPA SINATRA

August 10th, 2022

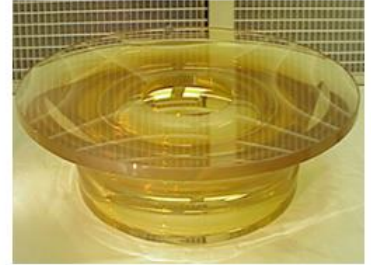
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II-VI A&D Space Optical Assemblies

Support customer requirements providing solutions at all levels of integration

- Telescopes to Camera Integration and Alignment
- Design and Manufacture to meet Performance Requirements
- Optimize and Productionize Customer Designs
- Build-to-Print

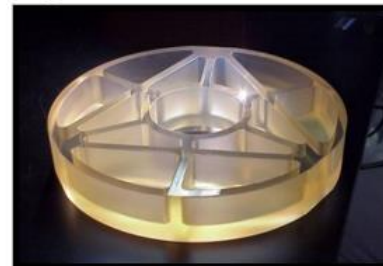


Vertically Integrated

- Engineered Materials through Integrated Assemblies

Reflective and Refractive Design and Manufacturing Capabilities

- Optical; Mechanical; Thermal Engineering Design
- All Materials: Al; Be; SiC; Zerodur; Si



Space Flight Proven Capabilities/Designs

Lines of Business:
Space



Imaging

SSA

Communication

Lasercomm

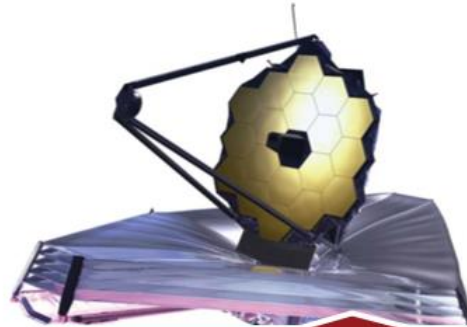
II-VI A&D Large Optics Capabilities

- Large Optics Fabrication and Coating
- Supporting Space Based Telescopes
- Supporting Ground Based Telescopes



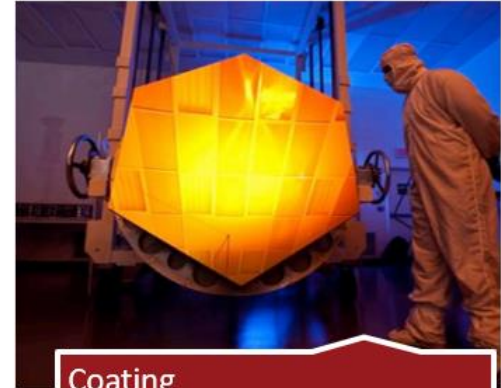
TMT

- 1.5m polishing and hex cutting



JWST

- Bare Beryllium aspheric polishing



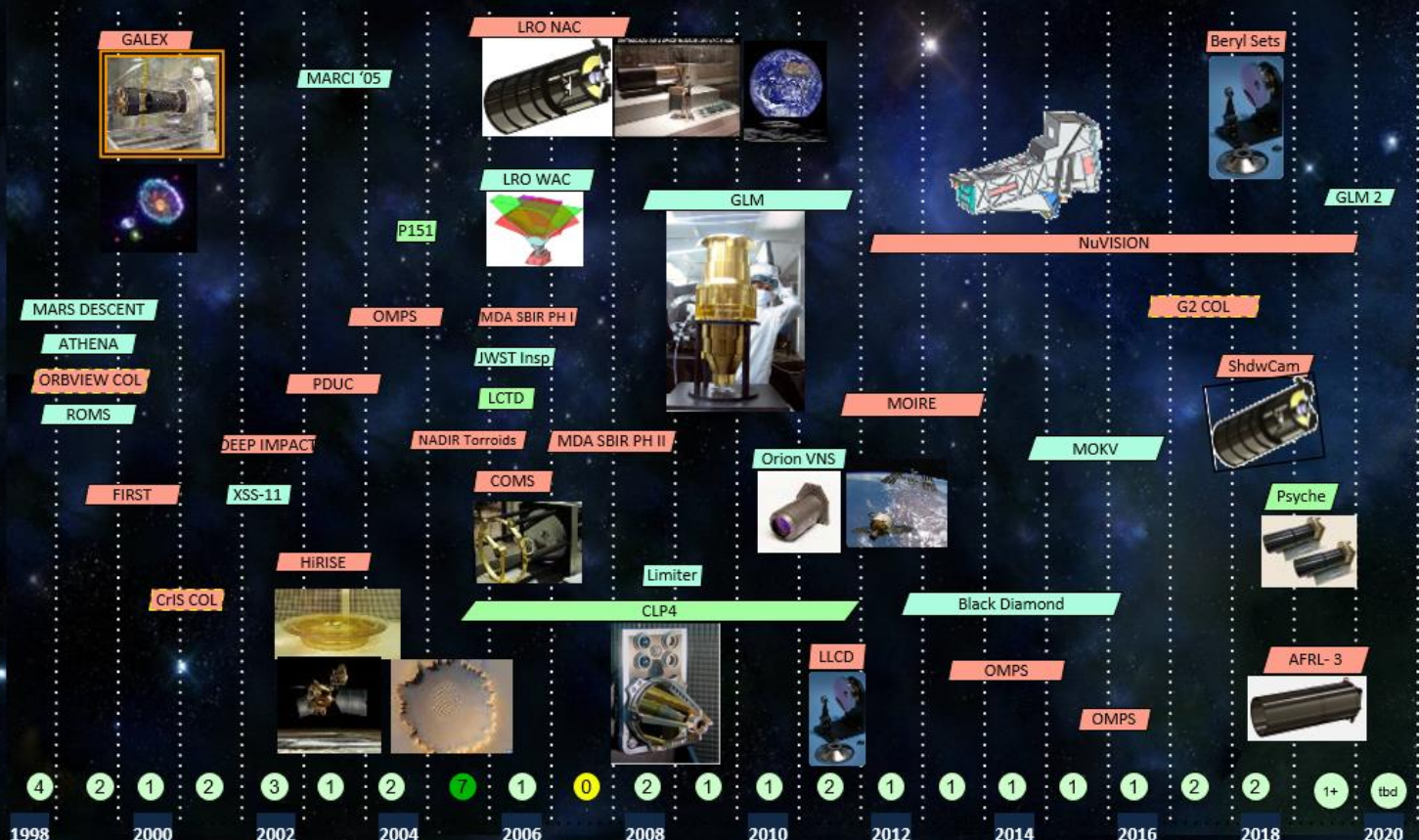
Coating

- Protected metallic coatings for sizes up to ~2m

Space Optical Assembly Experience

REFLECTIVE BOTH REFRACTIVE Satellite Test Equipment

Timeline
(Ending dates are approximate)



Lines of Business:

Optical Comms / Lasercomm

C3xx

Fibered
Comms

Free Space
Optical Comms

Mobile Data
Center

xWDM



II-VI AEROSPACE
& DEFENSE



COHERENT