



bertin
alpao



SPACE

Adaptive Optics: the future of space vision starts here

Adaptive optics revolutionize how we observe and interact with the cosmos. From satellite-based telescopes to deep-space missions, clarity and precision are critical.

By actively correcting optical distortions, our cutting-edge systems enhance resolution, accuracy, and data quality. Compact, robust, and optimized for harsh space environments they can empowering scientists and engineers to see further and clearer.

Space-Based Telescopes

- Optimal performance
- Deep-space exploration
- Versatile imaging
- Increased lifespan of optical systems

Laser Communications

- Deep-space communications
- Optical Inter-Satellite (OISL) Laser communication
- Quantum Key Distribution

Satellite-Based Earth Observation

- Enhanced image clarity
- High precision mapping
- Improved weather prediction
- Multi-spectral applications
- Lowering the overall costs of the systems

Space Debris Tracking

- Enhances the tracking accuracy
- Real-time monitoring to predict collisions
- High-resolution images
- Day and night tracking

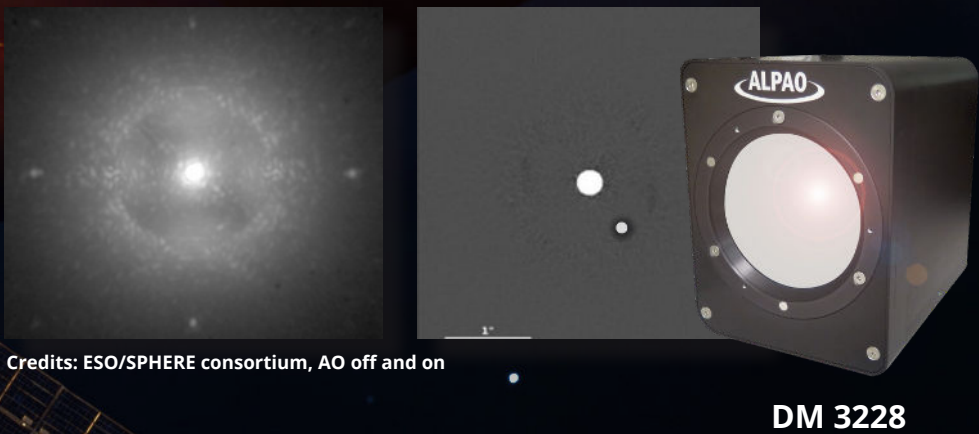
“Adaptive optics is redefining deep-space communication, making Mars-to-Earth laser links faster, clearer, and more efficient.”

Meera Srinivasan, Project Operations Lead at NASA JPL



“Adaptive optics transforms space-based observatories into precision instruments.”

Dr. S. Rabien – Max-Planck Institut für Extraterrestrische Physik



Bertin Alpaio Space related products

Deformable Mirrors

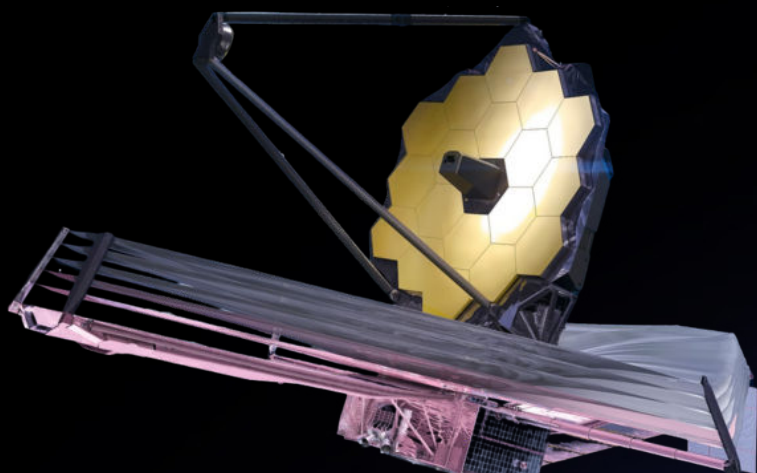
DM 192 DM 468
DM 256 DM 820
DM 277 DM 1353
DM 308 DM 3228

Shack-Hartmann Wavefront Sensors

SH-EMCCD
SH-EMCCD fast
SH-InGaAs fast

Software Control

ALPAO Core Engine
ALPAO RTC



727, rue Aristide Berges
38330 Montbonnot - France

www.alpao.com
marketing.alpao@bertin.group

Find us also on

