

Transversal competencies

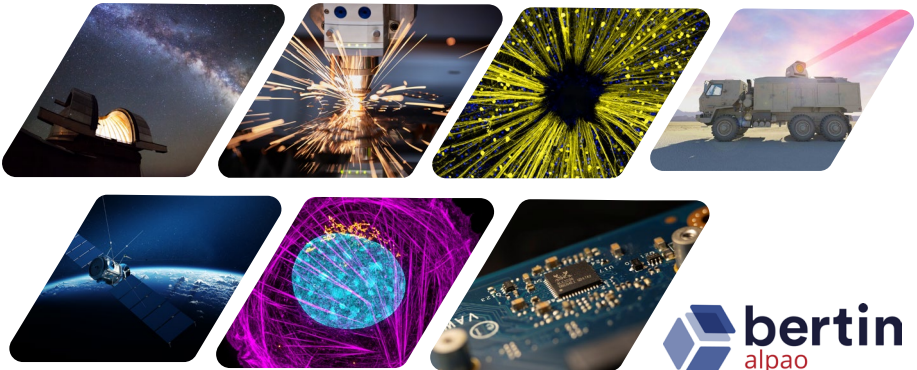


Bertin Alpaio, leader in wavefront control, aims to revolutionize optics by removing aberrations. The company designs and manufactures a complete range of adaptive optics products for use in research and industry since 2008. Bertin Alpaio provides deformable mirrors, wavefront sensors and software.

Bertin Alpaio is an international company with customers on four continents in over 20 countries, representing 90 percent of its turnover.

## COMPETENCIES & CAPABILITIES

Bertin Alpaio's products are tailor made for various applications such as astronomy, ophthalmology, microscopy, wireless optical communications and laser applications.



# Bertin Alpao

## PRODUCTS & SERVICES

Bertin Alpao has introduced several products over the years, such as deformable mirrors (DM), its own wavefront sensor for closed loop operations, the DM97-08 dedicated to vision science application, a large size DM (DMX) and a modal deformable mirror. Bertin Alpao also delivered the largest European deformable mirror which includes 3.228 actuators. With more than 10 years of experience in adaptive optics, Bertin Alpao's deformable mirror allow large stroke, fast deformation, high resolution images and very good optical quality.

## MAJOR SPACE PROJECTS & REFERENCES

Academic references : Harvard university, Stanford University, University of Cambridge, MIT, University of California – Berkeley, Princeton University,...

Industrial and other references: Paris Observatory, Chara, ESO, Canon, Quantel Medical, Zeiss, Abbott Medical Optics, Onera,...

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**TURNOVER**

**WORK FORCE** ~47 employees