

Kampf Telescope Optics GmbH (KTO)

Optical Systems for Extreme Environments

The experts from KTO are experienced in the design of complex optical systems for applications in space missions and fusion technology. A wide network of experts and specialized companies complement the technical expertise.

Our approach for successful engineering

- Experienced team in design and manufacturing of optical systems
- High technical expertise
- Tightly integrated interdisciplinary teams
- Fast decision-making strategies
- High flexibility
- Innovative solutions for technological problems

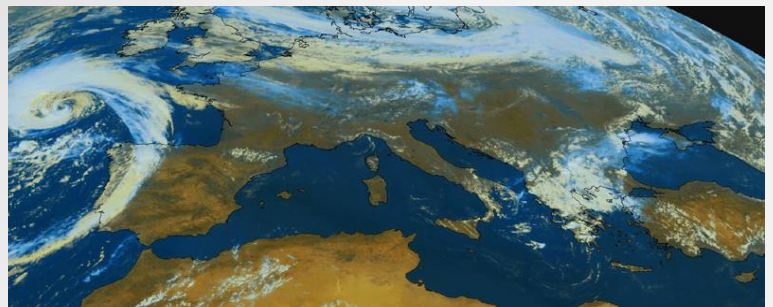
KTO designs, develops, manufactures, assembles and aligns complex optical instruments, on subsystem and system level.

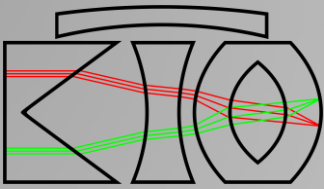
Applications

- Astronomy and earth observation (e.g. XMM, Herschel/Plank, MTG)
- Diagnostic instruments for fusion (e.g. JET, ITER)
- Ground-based telescopes (e.g. FTW)

KTO

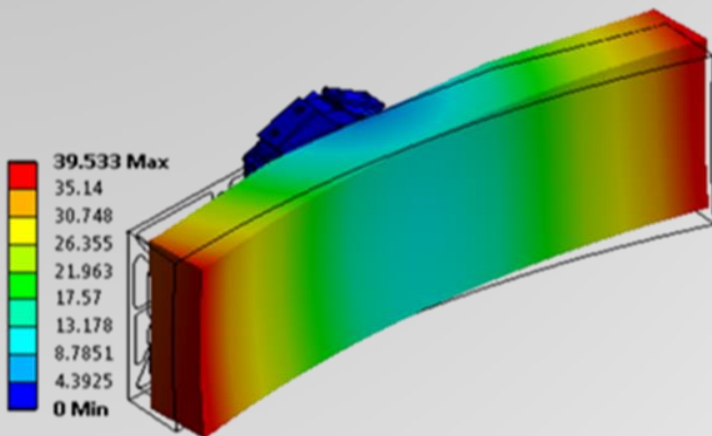
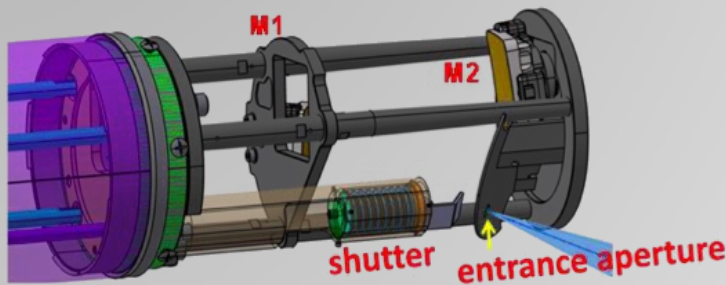
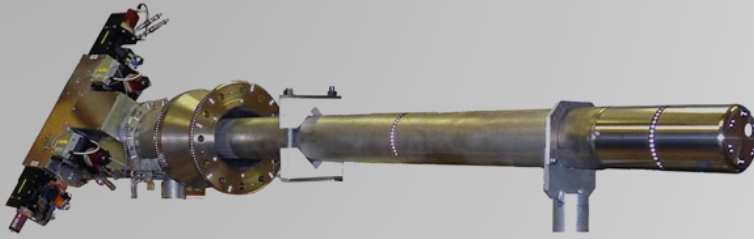
Your supplier for optical systems for extreme environments





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Competencies & Activities



Engineering support

- System architecture
- Optical design
- Mechanical design
- Mechanism
- Optical performance assessment
- Structural and thermal analysis
- EM load analysis
- Assembly and alignment
- Environmental tests (vibration/shock, thermal-vacuum)
- Qualification of designs & processes

Consulting

- Design review: support of major reviews
- System engineering: requirements, interfaces, configuration control
- Management support: International cooperations, planning, procurement, proposal review and project management

Technology development

to increase maturity of key technologies, including

- Design and development planning
- Breadboards and engineering models
- Test plans, procedures & reports
- Execution of test campaigns

Delivery of turn-key solutions

Company information

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