

## Services

### Consulting in Technical Optics

Optical Simulations, Studies of Concepts, Feasibility Studies

Optical Calculations

### Optical Design Services

- Optics for imaging and illumination
- Optical system design
- Simulation by sequential and non-sequential raytracing ([Zemax](#), [TracePro](#))
- Optimization
- Tolerancing, Monte Carlo simulation
- Thermo-optical simulation, athermalization
- 3-D CAD construction of the optical components ([SolidWorks](#))
- Special focus: design of [polymer optical systems](#) (injection molded plastic optics)
- Support in the selection of companies for fabrication

Simulations for the analysis of false light (ghosts and stray light)