



## Comprehensive development service from a single source

### Innovations in Comfort, Safety and Driver Assistance

In the area of Optical Systems we cover all disciplines involved in their development, especially components and systems for connected display systems, lighting systems and image processing.

#### ARRK Engineering strenghts in the development of Optical Systems

- Development of advanced systems from standard displays, to head-up displays, right through to the latest augmented reality features
- Development of innovative lighting systems by providing optics and design expertise in headlight, tail light, interior lighting and ambient lighting
- Design of optical systems
- Integration of cameras into vehicles mechanically and electronically
- Development and evaluation of image-processing algorithms

- Incorporation of artificial intelligence and machine learning methods
- Development of human machine interfaces (HMI) from the concept to design and programming of all necessary steps (bring to life elaborate 3D graphics on digital instrument panels or central displays)

Our innovative optical systems are helping to overcome the challenges in comfort, safety and driver assistance and pave the way for the development of new features.

#### YOUR ADDED VALUE

- **ARRK Group lightig expertise, production capabilities and range of manufacturing techniques (prototyping, tooling, low volume production)**
- **Many years of expertise in all areas of optical systems development**
- **Interdisciplinary development, testing and integration of optical systems**

