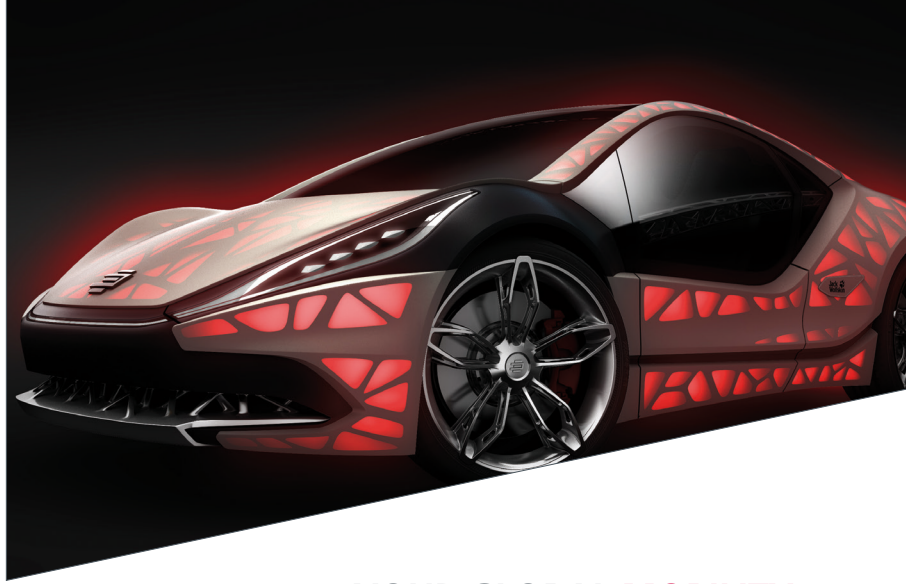


# LIGHT INSPECTORS

WHEN ENGINEERS TEST THE SUITABILITY OF LIGHT



**YOUR GLOBAL MOBILITY  
ENGINEERING EXPERTS**

In the automotive industry, the future realisation of lighting systems that are both innovative and eligible for certification is of great importance. The efficiency and light output of highly complex headlight systems and rear lights are being optimised all the time. These advanced lighting systems are designed to make it easier to see in a wide range of lighting conditions. At the same time, they enhance the visibility of a vehicle in the dark.

The EDAG lighting inspectors ensure that design, quality and approval are always harmonised. It goes without saying that the EDAG lighting specialists therefore assume a high degree of responsibility towards the system supplier and the end user.

To guarantee that we can do justice to this commitment, we make use of various software packages, which first of all define the optical systems and secondly visualise the results in a virtual nighttime drive. This allows for the rapid evaluation and optimisation of all intended lighting functions for headlight systems and/or rear lights in line with the vehicle design.

In the final physical nighttime drives, our method and technology, with the high degree of conformity between simulation and reality, never cease to amaze. For the EDAG lighting inspectors, this is the greatest reward.

## **Our services at a glance**

- Light simulation 1: LucidShape
- Light simulation 2: Light tools
- Virtual nighttime drive: LucidDrive
- Design: CATIA V5
- Optical design of reflectors, light guides, projection lenses, collimators, thick wall optics, cushion optics, ...
- Legal evaluation of virtual light distribution
- Efficiency evaluation
- Homogeneity display from freely definable eye positions
- Dispersion test
- IIHS evaluation
- C-NCAP evaluation

**EDAG Engineering GmbH**

## **Contact:**

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