

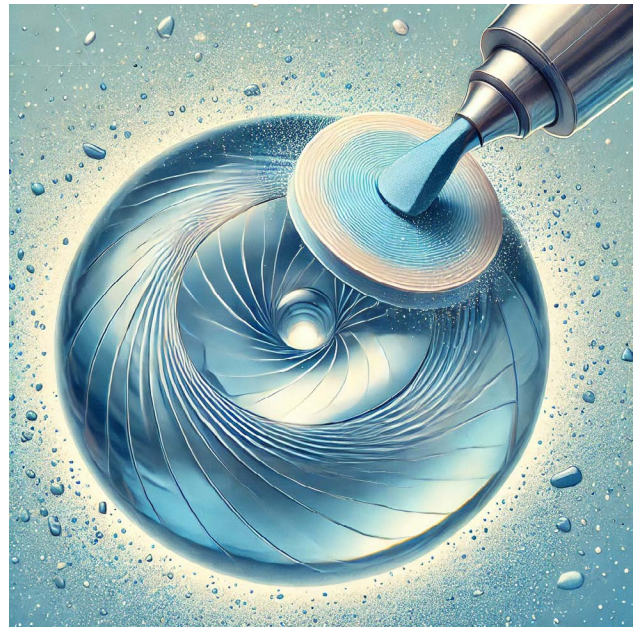
# NetZero

## Design and manufacture of complex super freeforms for international transport pollution Monitoring

The University of Applied Sciences Jena intends to participate in the European Competitiveness Program and apply for a joint project with companies and research institutions.

The application should be thematically aligned with the Smart Factory guideline, in particular optical technologies, and include the following research and development issues:

- modern optical manufacturing strategies for the production of freeform optics
- development of a manufacturing process for the provision of optical freeform elements with high quantities and high efficiency
- development of metrological methods for the characterization of optical freeform surfaces in a high dynamic range
- development of fields of application for optical components, taking future technologies into account



*Design concept for freeform polishing with periodically radially distributed transition structures.*

**FUNDING REFERENCE NUMBER:  
2024 IIP 0003**

**PROJECT LEAD:**

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**PROJECT DURATION:**

June 2024 – October 2024

**FUNDING AGENCY:**

Free State of Thuringia