

# DesignAlign: Design Tool for Orientation Decision of AM parts

## Enabling Industries Through Faster AM Design Construction



### Motivation and Relevance

- **Complexity of Orientation Decision:** The selection of component orientation presents a multifaceted challenge. It influences various, sometimes conflicting requirements.
- **Impact on Design and Economics:** This decision has a direct impact on both the component design and the economic viability of the process.

### Approach

- **Support through Software:** The demonstrator provides designers with valuable support to make informed decisions by analyzing relevant factors and offering clear recommendations for optimal component orientation.

### Results

- These tools assist designers in creating complex geometries, reducing material waste, and shortening lead times for prototyping and production.

### Research Area

- AM Design
- AM Data Preparation

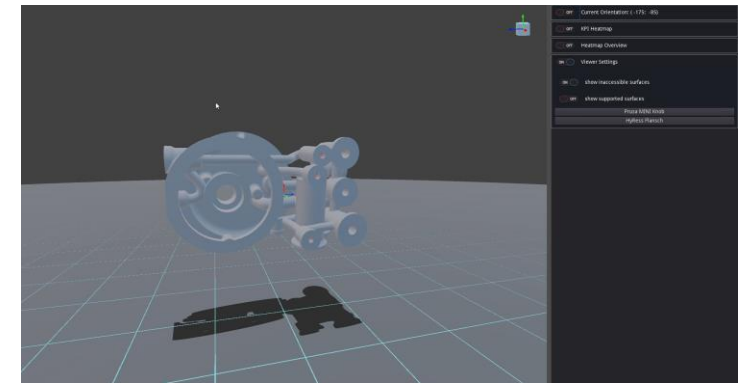
### Partners



### Supported by



### Picture



### Contact



The project underlying this publication was funded by the Federal Ministry for Economic Affairs and Climate Action under grant number 03LB3030G.

The responsibility for the content of this publication lies with the author.