

# Circular Economy in Construction Using AM



## Motivation and Relevance

- Increased demand for sustainability within the construction and building industry as one of the main consumer of the global energy demand
- Companies aiming for resource and energy efficient buildings, interested in architecturally ambitious building structures

## Approach

- Establishment and evaluation of a process chain for the production of powder from construction scrap, which previously could not be recycled
- Development of a digital tool for optimized façade planning

## Results

- Increased resource and energy efficiency of buildings by material efficient and energy saving facade brackets and increasing the amount of metal material recovered from construction scrap

## Research Area

- Circular Economy, Construction Industry, Resource & Energy Efficiency

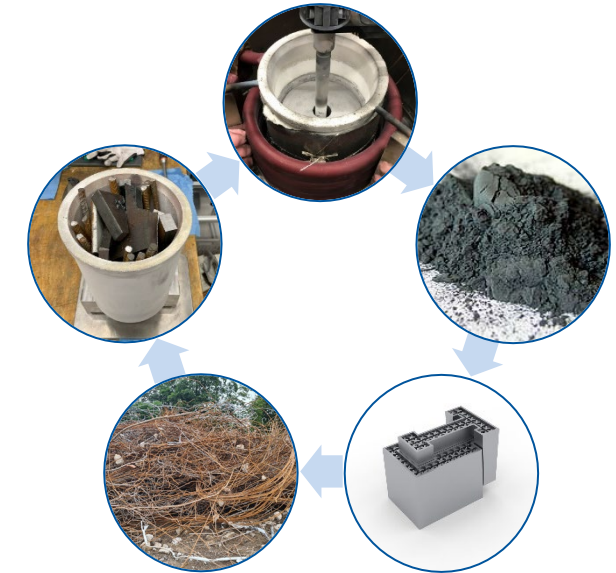
## Partners



## Supported by



## Picture



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