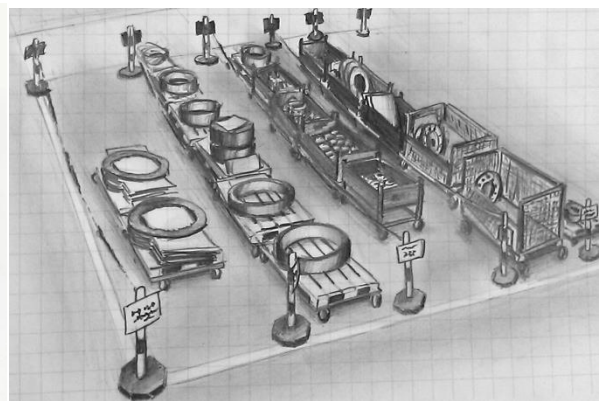
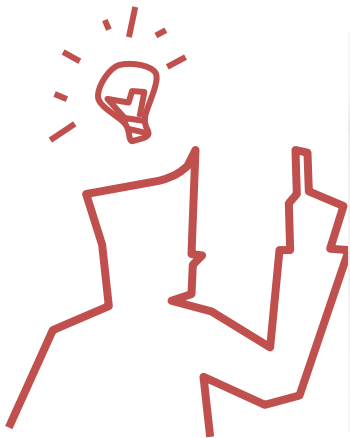


# Project, Bachelor or Master Thesis

*Build your product – Innovative product development from the idea through first prototypes to series production*



Bildquelle: Stratasys

## Initial situation:

In the age of mass customization, more and more products are produced ever-smaller quantities at an ever-increasing degree of individualization. This development confronts conventional product development with the challenge of developing faster and cheaper. One approach to meet this challenge is the development and integration of new technology chains for the production of plastic components.

## Your tasks:

You develop, design and manufacture an innovative product from the consumer sector based on an existing specification. Validate your designed designs with real prototypes that produced using one of the many additive manufacturing processes available at PEM. A transfer into a series production-ready design finalizes your work. The concrete tasks include:

- Development and design of a consumer product according to the specifications
- Manufacturing of prototypes by additive manufacturing for validation of design and functionality
- Optimization of the design from the findings of the prototypes and transfer into a design suitable for series production
- Derivation of corresponding injection moulds for potential series products

## The prerequisites:

- Motivation and commitment
- Ability to communicate & work in a team
- Independent, structured work approach
- Interest in product development and design
- Interest in additive manufacturing and fun in practical work

## What we offer:

- Clearly circumscribed tasks and intensive supervision
- Execution of a product development from the idea to series production
- Possibility to work with the latest plant technology from 3D printers to injection moulding machines

## Have we sparked your interest?

Please send a current excerpt of your grades as well as your curriculum vitae and certificates to the e-mail address below.

## Your contact at PEM:

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