**REFLECTION**

Main question: How and why did the used approach work or not work and to what extend?

Aspects:
- What is the relation between research and design?
- What is the relation between the project and the wider social context?
- What is the relation between the theme of the graduation studio – Sustainable Design Graduation studio BT – and the subject?

The thematic subject of this thesis was focussed on the materialisation phase of a design process. Supported by literature the conclusion was set that the design process and manufacturing process are entwining by the implementation of emerging technologies like reverse engineering. The relation between the research and the design in that sense is significant as the aim of the research is to provide new possibilities to designers. These possibilities are demonstrated by a design based on case studies of current and future applications of a certain materialisation, in this case natural stones. This defines a research by design relation.

The structural approach to this route was initially spread over 4 phases following the motivation of:

- Relevance > Feasibility > Challenges > Demonstrate

In this approach the feasibility study was meant to give input to the challenges that had to be addressed to lead to a prototype. This way the feasibility was defining how the route from start to end went. During the feasibility three types of problems raised that had their individual impact on the route.

- Limits to the state of development of applied/needed technologies
- Access to needed resources
- Personal limitations in the ability to develop new technologies or methodologies

These problems limited the amount of challenges to be handled by the prototyping phase or dictated another route to bypass a certain limitation.

To conclude: the intended methodology remained an appropriate framework. The feasibility study showed that the initial expectations of the output were too high which asked for a redefinition of the expected output. The new approach focusses more on a theoretical conclusion than a physical proof of concept by evaluating the obstacles along the way.