Graduation plan
09-01-2017

Studio Name                  Heritage & Architecture Disclosing the Military City Lisbon
Tutors                      Job Roos – Hielkje Zijlstra – Wido Quist – Marieke Kuijpers

Argumentation of choice of the studio
Over these last couple of years I learned a lot about the methods within the studio of Heritage & Architecture and I think this coincides with my own views on how to approach a design task starting from the history of the building(s) and its location. Already in my final Bachelor project in 2013 I chose for the studio RMIT and got the opportunity to transform an old industrial building in the Merwe Vierhaven area in Rotterdam. During my MSc 1 I chose for Heritage & Architecture again and I especially enjoyed the extra compulsory subjects of the studio from which I learned more specific and practical knowledge about building history techniques and the design methods within the field of heritage. For my MSc 2 I chose for the studio of Global Housing as dwelling and different cultures is another field of interest for me. Within this period I could choose a subject of my interest again and so I chose for a Heritage subject: Building history and technology.

Between my Bachelor and Master I spend a year on a fulltime board in which I had the task to maintain an old monastery and some student houses. During this year I executed several transformation projects, the largest being the transformation of a professional kitchen (with a budget of 450.000 euro) including a new sustainable installation system situated within the monument of the Monastry. Within this year my interest within the field of heritage intensified once more and I realised this is the field in which I want to specialize myself as an architect.

In conclusion I have developed myself both during my studies and in my personal time with a focus on my fascination and passion for heritage and architecture and thus chose for the Lisbon studio. I was very curious about the workshop abroad and the opportunity to work together with international students and architects alike to discuss the matter of heritage within the field of architecture. The fact that the studio is situated in Lisbon, for me, gives an extra challenging dimension to the design task as it is a different culture you are designing for.

Title
The coexistence of multiplicities

Goal
Location
Beato, Lisbon, Portugal

The posed problem
The Manutenção Militar Complex (MMC) is situated along the river just outside of the city center of Lisbon. Within the industrial complex they produced food, uniforms and other goods for the Portuguese Army. Whilst the Portuguese Army reached 200,000 men in the 1960s, it is now reduced to 20,000 active soldiers. This meant that the factories of the MMC complex finally closed leaving a large industrial area that needs to be transformed for future use.
Research question
How to revitalize a big scale industrial complex into a sustainable, livable area for a multiple generation community?

Design assignment
The research question has been sharpened during the research period of the P1. It questions the problems of designing with the industrial scale versus a scale made to live in, and from my own fascination: the question about bringing together multiple generations in one building. Combining different target groups and let them help each other and live together, this derives from the ‘mehrgenerationenhaus’ idea from Germany.

Method
Within the studio of heritage and architecture a values method is used which comes from analysing the cultural values but also the economic and social values resulting in a personal values assessment.

Image 1: Transformation framework (own image)

For this graduation studio the method of the Transformation Framework is used. This Transformation Framework, see image 1, consists of the cultural values, the social/economical values and the architects own brief/fascination. The cultural values are found within the architectural, technical and site analysis. The social and economical values are found within the demographics and facts and figures of the site and surrounding areas. This can be seen as a combination of a top down and bottom up approach. The cultural values are starting points from what is there now (bottom up) and the social and economical values are starting points for what is needed in the area (top down). The brief/fascination consists of the personal fascination of the architect and the new personally assigned function(s).

The cultural values, social/economic values and the design brief together form the starting points for the design: they are the ‘tools’ to design with. These starting points usually cause some friction between the different values and wishes. These points of friction are the challenges, dilemmas and opportunities for the design.

From this point multiple scenarios can be designed which can be tested by using the Transformation Framework. Designing is a continuous loop in which the values, opportunities
and dilemmas constantly need to be re-evaluated. It is a journey of discovering what is important and why.

**Literature**

**Cultural values:**


**Case studies**


**Designing for multiple generations**
Besides the books I am in contact with several ‘mehrgenerationenhauser’ in Germany for clarifications and to use as case studies. Hopefully I can visit these locations during my P3.
For more information about the mehrgenerationenhauser project: http://www.mehrgenerationenhaeuser.de/


**Relevance**
In the past couple of years many industrial sites and buildings have become vacant. These buildings are usually located at the edges of cities with good connections for transport. As cities kept growing these buildings and sites start to become part of the cities and form a great opportunity for redevelopment within the cities. This graduation studio, based in Lisbon, is such a site with opportunities for its neighbourhood.

**Time planning**
(see next pages)