

# Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences



## **Personal information**

Name Jan Paulus Hoogterp  
Student number 4003934  
Telephone number 0614793570  
E-mail address janpaulushoogterp@gmail.com

## **Studio**

Name / Theme The Architecture of the Interior/Cultures of Craft  
Teachers / tutors Eireen Schreurs  
Argumentation of choice of the studio What appealed to me is the combination of the discussion of a new way of appreciating the craft and the architectural theme's in the building industry.

## **Graduation project**

Title: **Towards a new industry**

### **Goal**

Location: The ENCI, Maastricht  
The posed problem: By stopping of digging the Marl from the quarry the cement factory needs to search for new way of maintaining the industry in the area.

### **Research questions**

- How can the industry in this site be retained and revitalized so that the industry, the local residents and the recreational users can benefit from this?
- How can the history, technology and narrative of concrete been exposes to the public?
- How can the craftsman be facilitated in this area?
- How can innovation be facilitated and encouraged?

### **Design Assignment**

Designing an 'industrial' production area, where new concrete structures can be invented and produced. In this, the leisure activities of the abandoned quarry together with the production of concrete need to been taken in consideration. This concrete city will be the new central where all of concrete will come together. The program will consist of places for production, research, experiment, education and exposition. This will be combined with facilities to serve for the overwhelming nature of the quarry. The material concrete will play an important role in all of this. So, by the end of this studio, I'll planning to be a real concrete expert.

## Process

### Method description

The method I will use in the project will first be to gather as much as information as possible about the craft, the material, and the site. After this an selection will be made of importance, which will be translated into a literature study about crafts, location analysis's and a material (concrete and cement) production study. For the time after P2, the further development of the design will be done on the basis of the application of the studies.

### Literature

#### About the ENCI

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#### About concrete

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- Collins, Peter. *Concrete: The Vision of a New Architecture*. Londen: Faber and Faber, 1958.
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- Clark, Richard E, and Fred Estes. "Technology or Craft: What Are We Doing?". *EDUCATIONAL TECHNOLOGY-SADDLE BROOK NJ*- 38 (1998): 5-11.
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- Woolley, Martin. "Beyond Control: Rethinking Industry and Craft Dynamics." *Craft Research* 2, no. 1 (2011): 11-36.

## **Reflection**

### **Relevance**

Beyond the fact that this is an actual and realistic assignment, this project can also contribute to the new way of dealing with the term craft. In addition, this can also be taken as an example for coping 'dirty' industrial areas. For example, in the Netherlands there wasn't really a decent plan for the former coalmines in Limburg. Germany and Belgium have a completely different attitude towards this industrial heritage. By preserving the industrial activities here, a new flow of work and inhabitants could follow in this region, which has to do with shrinkage of population.

### **Time planning**

Time	Description	Products
Start-P1:	<ul style="list-style-type: none"><li>- Discussion on craft</li><li>- literature study,</li><li>- exploring the material</li><li>- finding location</li><li>- Site visit</li><li>- Formulation the design question</li></ul>	<ul style="list-style-type: none"><li>- Video of crafts workshop</li><li>- Schematic urban model</li><li>- Vedute</li><li>-</li></ul>
P1-P2:	<ul style="list-style-type: none"><li>- Formulating the assignment.</li><li>- Defining problem</li><li>- Urban context study</li><li>- Concept</li><li>- Schematic architectural proposal</li><li>- Material Research</li><li>- Routing</li></ul>	<ul style="list-style-type: none"><li>- Write 3 Reports (course Ar3Ai055)</li><li>- Urban model + infill</li><li>- Modelstudies</li><li>- Drawings 1:500</li></ul>
P2-P3:	<ul style="list-style-type: none"><li>- Architectural references and precedents</li><li>- Material Research</li><li>- Construction</li><li>- Sustainability</li></ul>	<ul style="list-style-type: none"><li>- Drawings 1:200-1:50</li><li>- Models 1:200-1:50</li></ul>
P3-P4:	<ul style="list-style-type: none"><li>- Detailing</li></ul>	<ul style="list-style-type: none"><li>- Drawings 1:200-1:5</li><li>- Models 1:200-1:5</li></ul>
P4-P5:	<ul style="list-style-type: none"><li>- Finish the design</li></ul>	<ul style="list-style-type: none"><li>- Presentation models</li><li>- Powerpoint</li></ul>