Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences

Graduation Plan: All tracks

Submit your Graduation Plan to the Board of Examiners (Examencommissie-BK@tudelft.nl), Mentors and Delegate of the Board of Examiners one week before P2 at the latest.

The graduation plan consists of at least the following data/segments:

Personal information	
Name	Paul-Cristian Fucarev
Student number	5883784

Studio		
Name / Theme	Maritime Heritage	
Main mentor	Nol Hermkens	Heritage & Design
Second mentor	Thijs Bennebroek	Heritage & Technology
Third mentor	Marie-Thérèse van Thoor	Heritage & Values
Argumentation of choice of the studio	I wanted to get a better understanding in architectural transformation, reuse an restoration given my passion for heritage, history and sustainable solutions	

Graduation project	
Title of the graduation project	**Integrating adaptability in the design process of outer dike Industrial halls transformation**
Goal	
Location:	The Netherlands
The posed problem,	Outer dike Industrial Hall adaptable reuse
research questions and	How can architects integrate Adaptability in the transformation process of Dutch outer dike industrial heritage for?
design assignment in which these result.	Generate a guideline for architects create an adaptable reuse for outer dike Industrial halls and sites
The problem of outer dike industrial hall transformation lies in several areas, notably the legal, environmental and technical way. Generating a feasible design without the thought of adaptive reuse is thus impossible, Through this research a guideline that enunciates good practices and examples of adaptable reuse in outer dike heritage transformation. With this toolbox architects will be able to generate a better design for the given place and building.	

Process

Method description

Multiple methods of research and analysis have been used in this research. A literature review on the subject of adaptive reuse and heritage transformation was undertaken, which fostered the creation of a new method of adaptability assessment. A cartographic analysis of river floodplains and monuments uncovered the serious need for industrial halls preservation as a disappearing typology. Based on the Result of this research several conclusions are extracted.

Literature and general practical references

The literature is divided into three sections – Adaptable Reuse, Heritage Assessment and Waterscapes. For Heritage value assessment, works of Alois Riegl, Brand and Ana Pereira Roders have been. In terms of adaptability and water articles by Carola Hein, Han Meyer, Claudia Redeker as well as Prominski's book River,Space,Design where multiple reference projects and riverbank typologies are well characterized based in the level of intervention, adaptability and physical aspect.

Reflection

1. What is the relation between your graduation (project) topic, the studio topic (if applicable), your master track (A,U,BT,LA,MBE), and your master programme (MSc AUBS)?

   Given that my chosen studio is Maritime Heritage, the research paper focuses of industrial heritage value assessment near waterbodies with the goal of adaptable reuse.

2. What is the relevance of your graduation work in the larger social, professional and scientific framework.

   Adaptive reuse of buildings is one of the key design strategies for the upcoming decades, working with a massive aging building stock requires openness to transformation, nevertheless, a change in the building puts the cultural heritage at risk, therefore constant work on the heritage assessment tools is imperative. Over the last three decades, many successful industrial adaptive reuse project have been undertaken, therefore, handling outer dike heritage would be a logical next step, as living with water would be one of the future concerns and ideas of the future.