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Studio: Heritage & Architecture
Tutors: Lidy Meijers (Arch.), Suzanne Fischer (His.) and Frank Koopman (Bt.)
P2 presentation: January 17th, 2017

Argumentation of choice of the studio:

For me Heritage is something that is be handed to us from the past. In different shapes heritage defines the identity and expression of a period of time and place. Dealing with the existing is dealing with a lot of different aspects which is more than a building. Heritage enrich our environment around us. I find it interesting to understand these various aspects and once I’m working on the project I get more and more excited to contribute to the continuity of a building lifetime.

Graduation project:

Code: AR3AR111
Title: Harbor Rotterdam
Building: Maassilo complex
Location: Maashaven Zuidzijde 1, 3081 AE | Rotterdam

Problem statement:

Since the recent development of different trends, a lot of facilities lost their function, like factory areas, offices, shops, churches, etc .. (site 1). These desolate places in the Dutch environment are a matter of concern. Therefore, transformation of existing buildings is the main investigation of the researchers of the department Heritage and Architecture at the TU Delft. One major focus point is the continuity in the Dutch build environment. The definition of “Heritage” is interpreted broadly, and is not only intended for national monuments. Therefore, the domain of the department increased in importance in recent years (H&A Redaction).

The graduation project “Harbor Rotterdam” deals with the problem that the harbor activity moves to the west to the so called Maasvlakte I and II. This creates empty spots between the Harbor and the city itself. The particular graduation project “Maassilo complex” is also a former harbor building that is out of function for industrial activities. The building is now in use as a dance club and offices for small creative firms.

The monotonous use of the building does not ensure continuity, also 75% of the Maassilo which consists of silo bins is not used. The building materials of the Maassilo is by weathering also in a poor condition.

Research questions:

How can the Maassilo complex be reused to accommodate new functions and at the same time keep its identity/character? Research question

How can the remaining 75% of empty space (silos) in the building be redeveloped? Design question
Result:

The design assignment in combination with the research has to result in a redevelopment of the 'Maassilo complex' which will function as a revitalizer for Rotterdam south. The results of my graduation project will eventually delivered in drawings, a written report and a presentation.

Process method:

Location analysis of the existing situation, historical development, context and building.

Literature research in order to find different approaches of heritage buildings and sites. This literature is also to position myself as an student architecture.

Case studies research of other industrial heritage buildings and sites.

Literature:


Websites:

Site 1: CLO.nl Compendium voor Leefomgeving
http://www.clo.nl/indicatoren/nl2152-leegstand-kantoren
http://www.clo.nl/indicatoren/nl2151-leegstand-winkels
Relevance:

The relevance of the graduation project, the transformation of the “Maassilo complex”, is embedded in several topics: re-use, urban regeneration, city center, industrial heritage and creating/preserving identity. The list of monuments in the Netherlands has grown the last decade enormously. This growth causes that urban planners and architects more and more have to cope with existing buildings transformations and urban sites. The combination of the transformation of an industrial building and the design of an urban plan is a current challenge in multiple cities in the Netherlands. These industrial areas are located at the edge or even in the city center. A lot of industrial activities leave the site which leaves an empty space with possible industrial cultural value which have a good possibility to be redeveloped to a new urban area with its own identity. The Maassilo is therefore an interesting project to redevelop the building in combination with a new urban plan for the Maashaven.

The graduation studio can be seen as an case study for a redevelopment of industrial building in co-development of the urban area. The scale of the assignment in search of the relation between the heritage value and the new additions has to be covered from the scale of the city until the detail. This complex relation at different scale levels and different themes asks for a proper research to elaborate all the relations between the different layers and possibilities to create a new area which has its own identity within the city.

Time Planning:
Layers of time

Analyse Machine inside the Maassilo
Design

Organization