Architecture and Dwelling
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Two elements underlie my choice for the dwelling studio. Residential design concerns everyone. Every dwelling should provide the basic needs to dwell well. But these basic needs can be interpreted differently. At the same time dwellings are very specific, as they are people's main personal living environment. The combining and interpreting of these factors attracts me into residential design.

Traditionally in the planning of urban areas the programs of working and living were built separate from each other. At this time there is a need to create areas with mixed programs, combined, so not one is dominating over the other. Work should be implemented in residential areas and dwellings in work areas.

In response to the specific context of this design, dwellings should be introduced in an area that is almost mono-functional industry. This introduction should form the start of transforming this area to a light industry and dwelling one.
The introduction of dwellings asks for an ensemble of dwellings that is able to work as a pioneer and colonise an at this time mono-functional industrial area. How can this be achieved?

The residential area has to provide a liveable environment in the context of industry. At the same time the ensemble should be able to adapt to future developments. How can collectivity and entity be achieved, while being able to adapt to future changes as well?

How can the analysis of the urban composition and typologies of precedents contribute?

How can the analysis of the layout of a combined program in precedents contribute?

**Assignment**

The design of an area that at least implements dwellings, amidst industry. This area provides what is needed for a liveable dwelling environment. Programmatically it integrates in the existing. The area works as a pioneer in its context and provides a collective entity for its dwellers, that creates the feeling of belonging to the residential area. Ideally, the combination of industry and dwelling establishes benefits for both programmatic parts. At least, they don’t interfere with each other negatively.

**Goal**

The aim of the project is to research and design possibilities of introducing a residential area in a mono-functional industrial area, to create a mixed urbanized area in the future.

**PROCESS**

**Method Description**

Research of case studies, in respect to the theme Responsive Architecture. This research explores varieties of ways architecture responds to dwellers and to the city

Analysis of the design location and its context

Research of case studies, in respect to programmatic infill and distribution of the to design residential area. Focused on combining dwellings with industry

Research of case studies, in respect to the volumetric composition of the design. Focused on establishing an entity with environmental qualities for dwellers
The project is located on the Ronetteterrein at the southeast of Amsterdam. Future plans have been made to transform this mostly industrial area into a residential one. At the northwest of the Ronetteterrein the residential neighbourhood is already almost finished.

It is necessary to think about future developments at the southside of the Duivendrechtse Vaart as well. Introducing a residential area at this location could create a connection between the two sides of the Vaart and be an extension of the most southern neighbourhoods of Amsterdam inside the ring. Moreover it could enhance the blending of areas divided by program.

The implementation of residential areas amidst industry is interesting for the future of the Netherlands. There is a need for space for residential neighbourhoods and spacious living environments near city facilities. At the same time there are a lot of industrial areas that are neglected or partly empty. The atmosphere of the areas is often low and there are safety problems. Residential areas could enhance the urbanization of these industrial areas, that are often filled with space. Thus creating new mixed urban areas.

**Literature**

Literature: Report about dwelling in a industrial area / several books about density in residential areas etc.

**Practical preference**

Use of case studies in which morphology and typologies are analysed

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**Reflection**

**Relevance**

**Location**

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**Netherlands**

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**Use of models and variants**

Design process from an urban scale to detail, while reflecting on steps taken and previous mentioned case study research.

**Literature**

Literature: Report about dwelling in a industrial area / several books about density in residential areas etc.

**Practical preference**

Use of case studies in which morphology and typologies are analysed.
Time planning

Planning MSc3  (September 2012-January 2013)

Week 1.1  KICK-OFF I introduction, passport assignment, site analysis assignment, presentation of studio track, excursion
Week 1.2  A3 POSTER PRESENTATION I site of your choice, related to the design assignment and research theme
Week 1.3-1.5  DESIGN STUDIO I research theme, research site, site model
Week 1.6  PRESENTATION I groups
  site group: site analysis and 1:1000 site model
  research group: research theme and 1 case study
Week 1.7  DESIGN STUDIO I theme research groups
Week 1.8  DESIGN STUDIO I individual design concept, deadline dummy group research booklet and concept graduation contract
Week 1.9  P1 PRESENTATION I individual
  - personal conclusion from group research
  - personal problem statement
  - first conceptual model for chosen site
  deadline final graduation contract
Week 2.1  ELABORATION OF INDIVIDUAL DESIGN CONCEPT I prepare graduation plan
Week 2.2  ELABORATION OF THEME GROUP RESEARCH I check on graduation plan
Week 2.3  ELABORATION OF INDIVIDUAL DESIGN CONCEPT I second opinion by fellow tutor, check on graduation plan
Week 2.4  ELABORATION OF INDIVIDUAL DESIGN CONCEPT I
  deadline final graduation plan
Week 2.5  ELABORATION OF THEME GROUP RESEARCH
Week 2.6  PRE-P2 PRESENTATION I design proposal with link to research
Week 2.7  ELABORATION OF INDIVIDUAL DESIGN CONCEPT
Week 2.8  no education
Week 2.9  P2 PRESENTATION I design concept

Planning MSc4  (February 2013 - June 2013)

Week 3.1  Evaluation of design and research; definition of additional studies
Week 3.2-3.6  Development of design, in relation to:
  - volumetric studies, housing typology and other programmes
  - plus materialisation, structure and climate design
  parallel additional research specific to the design
  extra consults for structure climate design etc. with experts
Week 3.7-3.8  P3 PRESENTATION I first complete design presentation
Week 3.9-4.3  Focus on elaboration of design, esp. housing typology, interior and facade design with regard to materialisation, structure and climate design
Week 4.4-4.5  P4 PRESENTATION I definitive design presentation
  all aspects of the graduation project need to be finished, and communicated by way of drawings and models, plus report if applicable, identification of minor aspects to be elaborated for the ultimate P5 presentations
  deadline reflection
Week 4.6-4.9  P5 PREPARATIONS
Week 4.10-4.11  P5 PRESENTATION I CONCLUSIVE PUBLIC PRESENTATION OF GRADUATION PROJECT