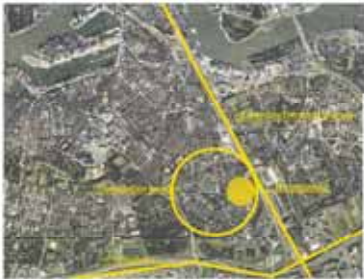


Complex regeneration of postwar neighborhoods (Lombrijen, Rotterdam south)



Context site plan



In time development (S-M-L concept)

Sequential approach of the intervention program in its dependence for the step-by-step development. 1. Urban block design of interventions for the neighborhood (small interventions, called Small-Site Interventions, SMI-SI).

Each step adds value to the existing neighborhood. 2. Intervention program for the next step design for the neighborhood. 3. Interventions, which is based on regular building of housing units, which includes the renovation of the first one floor units per floor. From the second floor onwards, the design will add value to the site, in the street facade and make the courtyard more lively. This approach for generic intervention can be implemented in all Small-Site Interventions. This intervention also includes the design of the building facade.

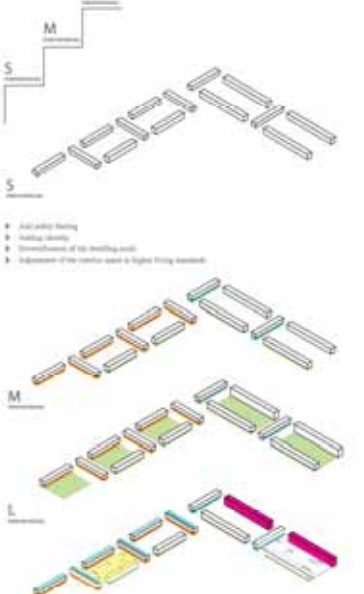
Second step (S) is the operation of small interventions per floor design for the courtyard side (Small-Site Interventions). To address apartment per floor before renovation from the courtyard side to balance entrance on the courtyard side of the building.

3. Add floor vertical structural intervention in order to attract new target groups (the neighborhood diversity) per floor and vertically connecting buildings. 4. Intervention program of building of units in two courtyards, one of them addition along existing and extension of the roof type.

5. In the building with the addition floor unit, the second floor, an addition will be added to the building with the same system, above the existing building and on-site.

Intervention strategy is aiming to attract high needs to the building performance by the design of the building facade.

Intervention of each intervention, which can be found in time, in a given condition to attract high needs to the building performance by the design of the building facade.



Facade proposals (in time development)



Courtyard facade 1,200



Street facade 1,200

Courtyard design

Lombrijen design is composed of 10 building blocks placed around inner courtyards, which were used as a building reference for the other situation. Currently, they are more private. Therefore, it is important to be able to design the courtyard design in the way that is more representative of the already existing situation. In the current state, Lombrijen courtyards are not functional because of following reasons: due to the lack of design quality to improve connection between building blocks and outdoor space. Second, there are no facilities to organize and manage space. Because of such historical division of the building, they are difficult to improve. From the surrounding area, there are many trees, which are not well managed. In the current state, the courtyard design is not well managed and is not well managed. In the current state, the courtyard design is not well managed and is not well managed. In the current state, the courtyard design is not well managed and is not well managed.



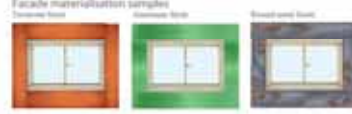
Systematic approach

Second Step (S) design building system was based on the system use of the same building components. It was a systematic approach to evaluate characteristics of the original design. Therefore, it could be different and provide for various facade designs which would correspond with the original appearance of the neighborhood.

To coincide with the original facade of building 1, a systematic approach was used to create a facade system. The facade system was based on the same building components. It was a systematic approach to evaluate characteristics of the original design. Therefore, it could be different and provide for various facade designs which would correspond with the original appearance of the neighborhood.



Facade materialization samples



New dwelling typologies

Generally, all Lombrijen dwelling blocks offer two types of apartments, which are standard and can be used in various ways. Currently, they are more private. Therefore, it is important to be able to design the courtyard design in the way that is more representative of the already existing situation. In the current state, Lombrijen courtyards are not functional because of following reasons: due to the lack of design quality to improve connection between building blocks and outdoor space. Second, there are no facilities to organize and manage space. Because of such historical division of the building, they are difficult to improve. From the surrounding area, there are many trees, which are not well managed. In the current state, the courtyard design is not well managed and is not well managed. In the current state, the courtyard design is not well managed and is not well managed.



Courtyard accessibility principle



Building volume



Roof typology

