

POLITECNICO DI TORINO
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Master of Science in Architecture
Honors theses

“Green Grid”: project on an ex industrial area in Susa

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The project area (the former ASSA steel mill area in Susa) is situated in a very narrow point of Val di Susa, which connects the high and the low valley, limited on the south side by Belvedere Tournaur; the regular shape the territory has in the low valley is here compressed and deformed.

Aim of the project was to propose a sustainable intervention of requalification and contextualization in the urban tissue of this vast area, which has unfortunately been reduced to the role of a semi-abandoned “non place”.

The first steps were a careful survey of the area, a thorough study of the morphology and the primary infrastructure system. These first analyses allowed us to find the inspiring elements and the project matrix the intervention is based upon. An orthogonal grid has been laid upon the area, and its compression generated a wave pattern. The disarray of the peripheral zone buildings has suggested the realization of an organic project, as unitary as possible and capable of connecting with the nearby areas.

Hence the title “Green Grid”: two key words which synthesize and underline on a side our effort towards sustainability and environment preservation (“green”), on the other the presence of an orthogonal deformed “grid”.



Master Plan

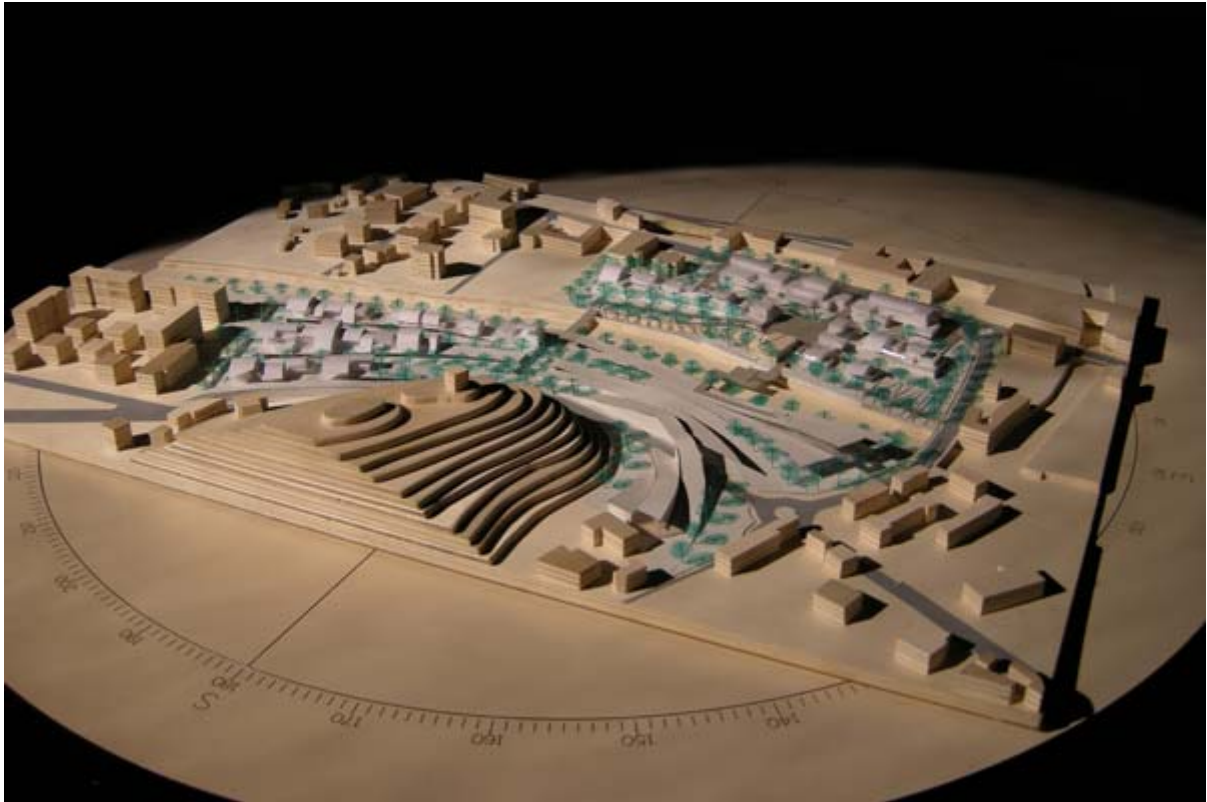
Energy saving, environment sustainability, lighting design and architectural and urban quality are the themes which were given the most attention.

All the buildings are energetically autonomous and high energetic-efficient, thanks to design choices inspired to the principles of eco-sustainable construction.

Energy is produced through plants which utilize renewable resources, with the double effect of reducing both non-renewable Energy use and the pollution released in the atmosphere.

The complex is made of a Social Housing residential compound, commercial and service buildings and a green area, characterized by ample strips with different elevations which rise towards the east identifying the sport center roof.

The element which unifies the project is the square, heart of the neighborhood and social rendezvous. Hence depart pleasant and scenic bicycle and pedestrian paths, which connect the project areas one with the other and with the historical center.



Study model – scale 1:500

The area has also been object of a lighting design deep study.

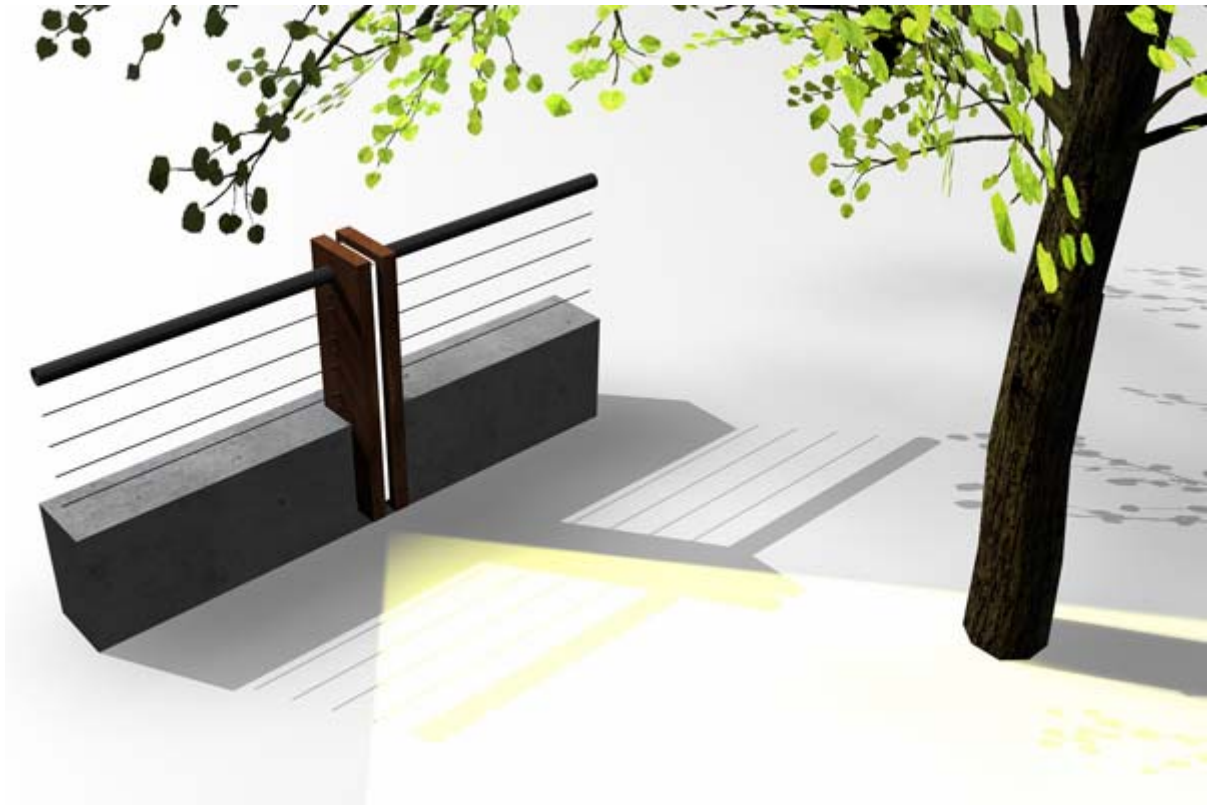
Goal of the project was to radically renovate the visual atmosphere of the areas, looking for solutions which were both functional and esthetically pleasant, during nighttime and daytime.

Our lighting project shows new hierarchies, allows to discover forgotten axes and to develop new relationships.

The light is not trying to overlap the message we gave to a specific path, space or building, but rather it tries to underline their strengths, giving light to the identification elements of each space.

Lighting devices are as hidden as possible and characterized by a somber and essential design, in order to allow light and its colors to be the main characters.

We tried to put together more functions in a single system, a new strategy which aims to the “disarredo urbano”, qualifying the city by taking away from it.



Detail of the lighting project

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