

POLITECNICO DI TORINO
SECOND SCHOOL OF ARCHITECTURE
Master of Science in Architecture
Honors theses

Urban requalification of piazza Nizza area in Turin: sliding volumes for a flexible social housing

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The thesis want to insert, with extreme humility, in the vast world of architectural research above all to the dimension of the lodging.

The analysis of the today's moment, of the tendencies in social and economic field delineate, clearly, some factors that deeply differentiate our society with that of twenty years ago.

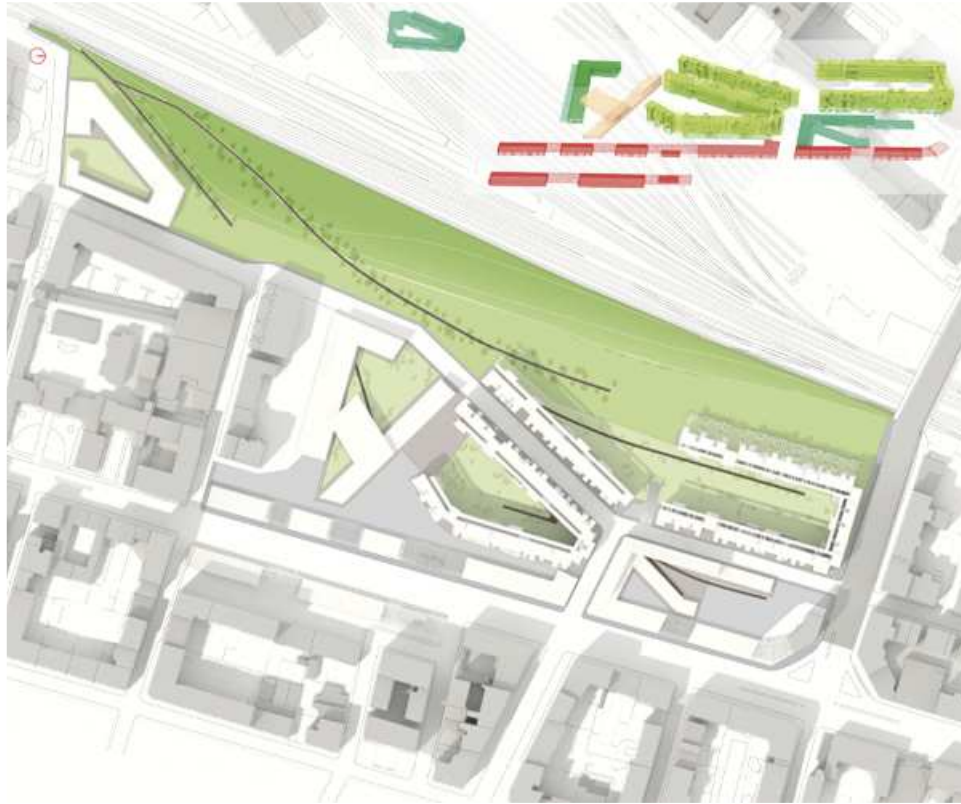
The answer that propose in this work is a building see like an ecosystem to itself but extremely connect and integrated with the city in which it is. This to try to offer the services, the kinds of first necessity and the greatest number of convenience inside the system building.

The same comfort is sought after in the apartments, fulcrum of numerous reasoning on the flexibility and usability that flow in a new vision of accessories spaces but already in the initial conformation.

The choice of project area was made to insert in the ample debate about disused zones of Turin from a few decades that has already produced results in different areas, some in contest or project phases and other already in progress.

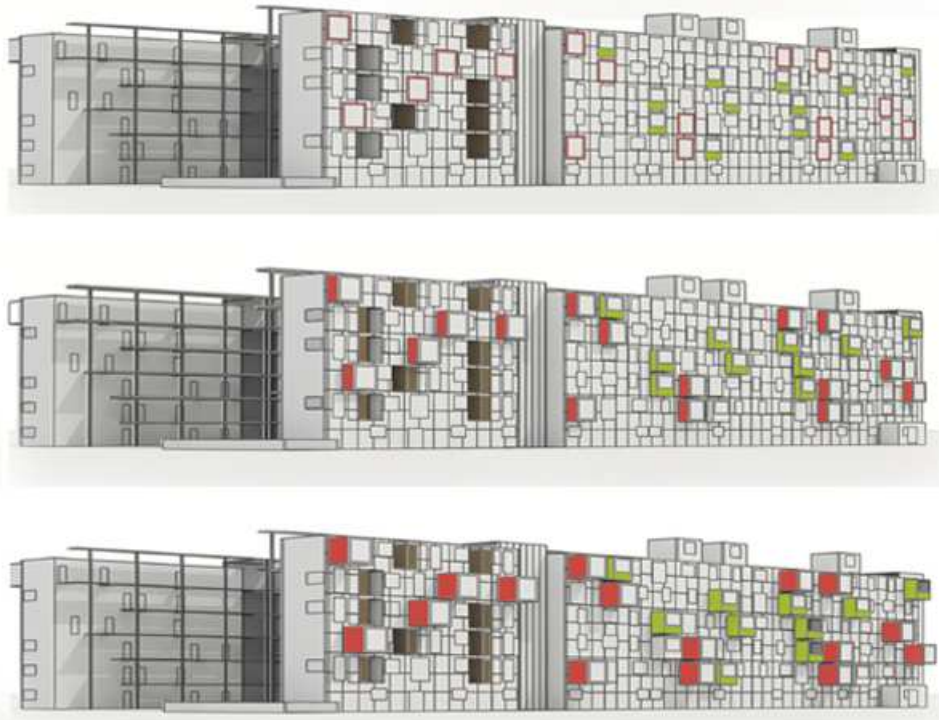
Exist the will to extend on the axle of Via Nizza the hospital competences, departing from the pole of the Molinette, with the project of for the City of the Health. The characterization of the area as pole of research, university and professional, could become definitely recognizable. In this way the masterplan takes form and inserted itself into the city.

The area has a remarkable percentage of surface destined to residential functions; the remaining zones are classrooms, laboratories and accessories spaces for the university and for the City of the Health (on the opposite side of the zone) but also to services and business, situated in the two "laces" on Via Nizza. Besides in the central part are plan some useful services to the new vocation of the area: a newspaper library and a lecture hall and a building for tertiary.



Masterplan. On the right top the functional scheme: in light green social housing, in red services and commercial, in pink the newspaper library and the lecture hall and in green classrooms, laboratories and offices

All the buildings, with residential function, have been thought for answering to the demands and the expectations of the standards of Social Housing. Each has a plinth dedicated to useful services, to whom live in the building, for stimulating the social way of living that the housing has inside. The superior plans welcome three principal typologies of lodgings –one, two or three rooms apartment – to support, with more options, the diversified request, organized according to a gallery distribution, choice to offer seed-public zones of exchange inside the building.



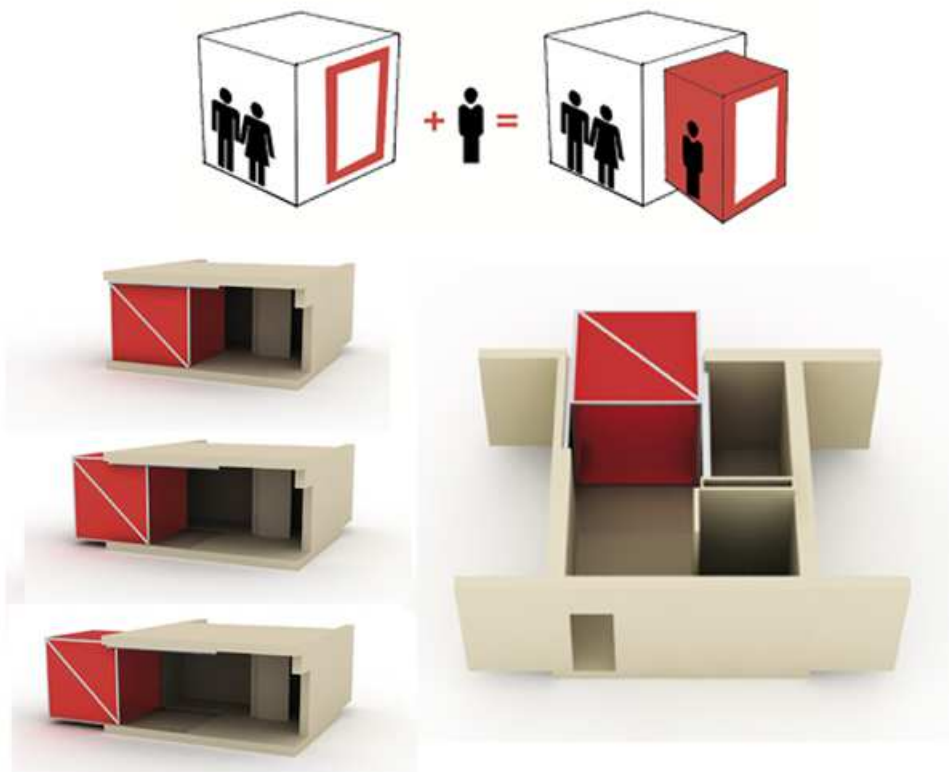
Views of building in project. The sliding volumes, starting to the top, from inside to outside

The principal typologies are three: studio apartment from 28 mq, two-rooms apartment from 48 mq and three-rooms apartment from 60 mq, comprehensive of patio. The intermediary length is treated as a duplex, in this way there is a fourth typology, on the last floor.

To answer the different questions of a very diversified users was chosen the flexibility mood. All the apartments have a plant the more possible free, divided, in case of necessity, from flowing elements; the only fixed elements are those destined to the hygienic services and the cooks zones.

Flexibility for that concern space but also, according to who writes, in the time. The housing unity should be able to adapt at different situations that the family lives. These demands, considering the increase of the ownership residences and the contraction of rental market, could be a request of transformation more that a new apartment searching.

To answer to this necessity was thought a volume, already insert into the total of the apartment, to extrude in case of need. Every typologies have the expanding possibility in invers proportion to their own starting dimension thanks to this *flowing volume*.



*Concept and schematization of the **sliding volume** system*

To visualize the tables of the project go to:
http://issuu.com/noemiviale/docs/tavole_di_tesi

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