

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

Metamorfosi.Spina4. Drawing the future of Turin North

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The Concourse of ideas "Le Metamorfosi" announced by the Turin administration and concluded in April 2010, has not seen a winner for **the Ambit of Spina 4** which includes the final stop of the Line 2 of the tube.

The lack of a winning project led us to select it as the topic of our work.

Through the analysis of the project proposals presented at the Concourse, we have determined a series of leading guidelines and we have attempted to reinterpret and translate them into a new proposal.

The goals we wanted to achieve were:

- RE-SEWING, realizing an intervention able to settle in the surrounding environment assuming its morphologic and formal features
- ENHANCING THE VIEWS, through a project of landscape
- REALIZING ANEW CENTRE FOR TURIN different from being a copy of the historic heart of the city and in order to originate the contemporary centre



The master plan

The evolution of the master plan originates from the purpose of mend together the road network, re-proposing then inside it the system of the court building fabric . The shape obtained has then been modeled in accordance with the irregular lines of the project, which open the courts including inside them portions of public green areas and pedestrian paths.

It has been avoided to concentrate in one specific and isolated area Sempione Park as it would have become a new barrier not easily manageable and accessible.

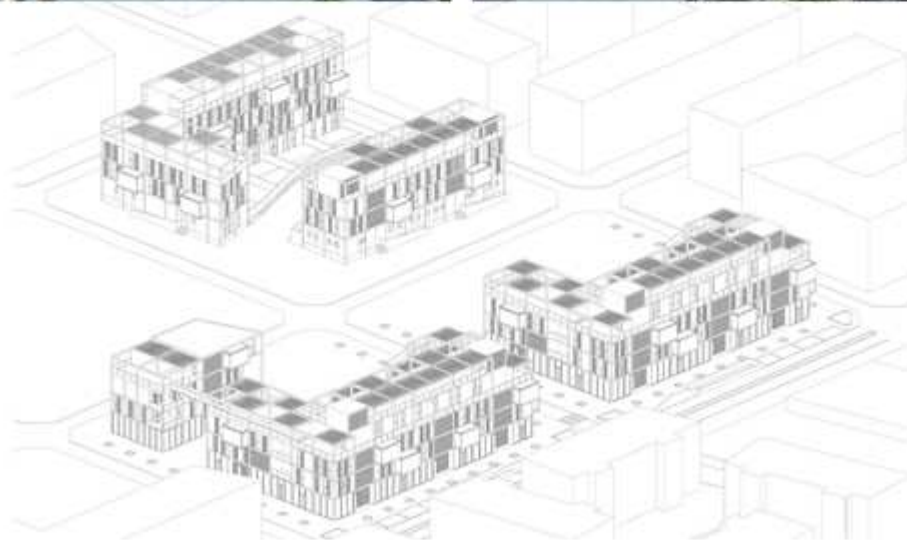


The square

The central knot of the project is the square over the Axis of the Spina. We focused on three crucial aspects:

- Realization of an urban door
- Allowance of the interchange between the train-tube-car streams
- Avoidance of the preclusion either the entrance viability to the city or the use of the square, thanks to a height difference of one meter with respect to the level of the street.

The aim is to obtain a direct connection with the junction of the train and the tube through a system of footbridges regulating the exchanges on the surface. These would not simply be transit places but usable spaces, hosting a wide range of activities. The square-system would then have multiple levels of fruition and inclusion: internal, external and footbridges.



Residential system

It has also been deepened the residential ambit of the intervention, which occupies a vast percentage of the project area. Particularly, it has been decided to include a ground floor destined to shopping and to services in the blocks facing Via Cigna. The private green area has been subtracted to the ground floors in order to be annexed to the superior floors, assuming this way the shape of private terraces with a residential use. In this way there would be then created completely public spaces, equipped with green and childhood leisure zones, connected by cycle-pedestrian paths.

The aim is to minimize the crossroads between pedestrian and car viability. On the surface are guaranteed the accesses to the residences, while the private car parks have been totally excavated underground.

Concerning the adopted technologies in the residential system, it has been chosen to locate solar panels on the pergolas of the top floors. In this way, apart from providing electricity and sanitary hot water, they also function as shadowing systems.

In the outside areas of the squares and of the residential blocks it has been thought to insert tubes for the collection of rain water for domestic use and for irrigation purposes.

The entire intervention locates the public open spaces behind the more congested arteries, while residences are surrounded by acoustic shadow zones through the insertion of avenues and vegetal barriers.

Our purpose has been to realize a plan sustainable under every perspective.

This is what we have attempted to since the beginning of our project, which is aimed at proposing some guidelines for the future, incentivizing a diffusion of its positive aspects.

To consult the tables of the project go to:

<http://issuu.com/giuliaboero/docs/metamorfosi.spina4>

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