
University campus

International competition

Winner project

Novara, 2006-2010

Client:

Università degli Studi
del Piemonte Orientale
"Amedeo Avogadro"

Project:

ODB Architects, L. Rossi,
R. Cagnoni, F. Trevisan, A. Tricarico,
Manens Intertecnica srl

Design Team:

O. Di Blasi, S. Grioni, G. Canevari,
S. Ghezzi, M. Marrazzo, A. Accardo,
S. Pascucci

Structural Engineering:

Alberto Tricarico - Novara

Project cost:

€ 9.200.000 ca.

Development:

15.530 mq ca.

Scope of work:

International competition -
Preliminary Design

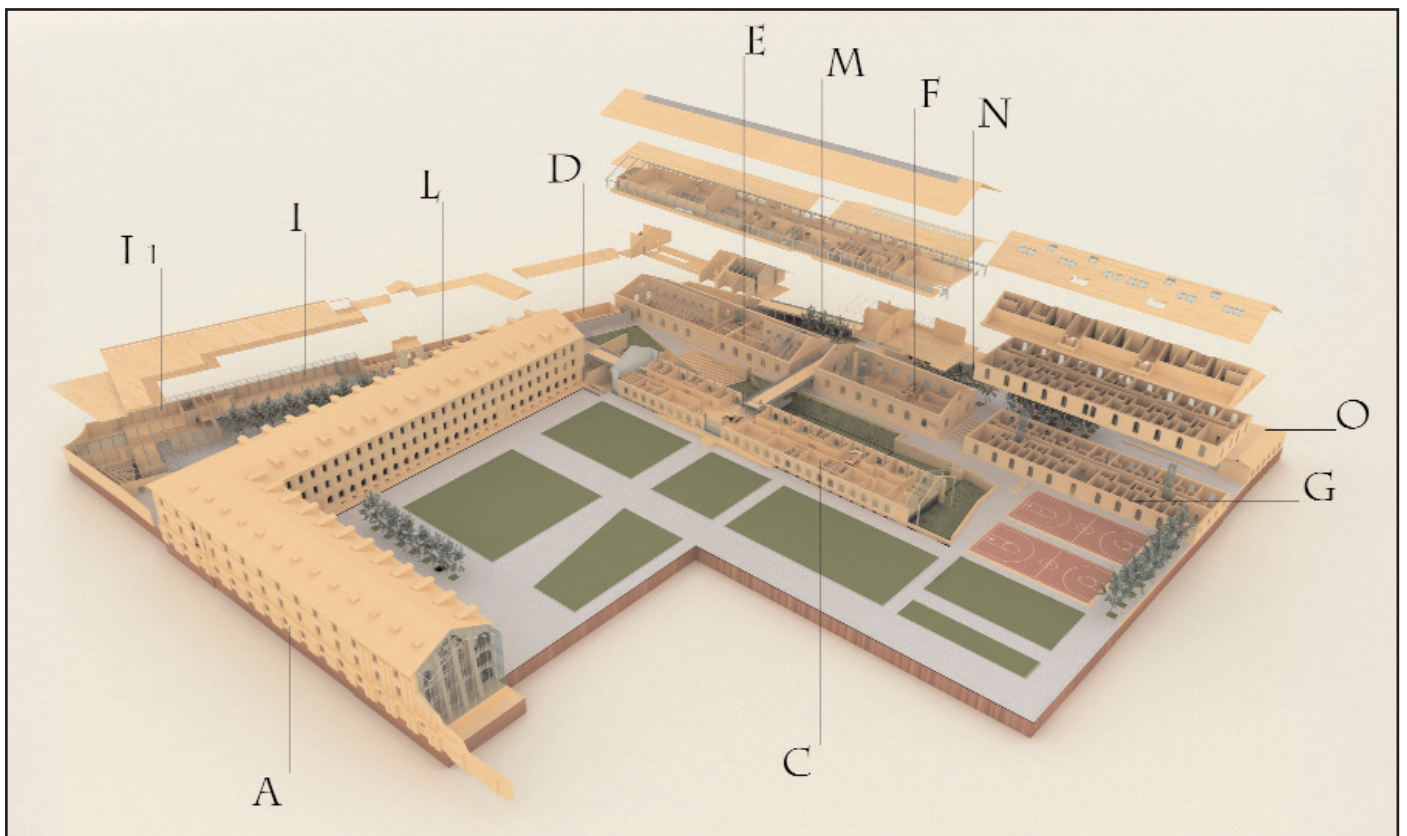
The project is based on four priorities, implemented by the University system, aimed to rebuild the city and overcome the duality between the old town and the post utilitarian city.

The first assumes that the barrack areas, given its strategic location on the edge of the city center, will be turned to an university campus that will serve as "urban bridge", to reconnect the old and modern city.

The second assumes that the public and semi-public functions of the University will strength the organizational and morphological structure of this part of town, abolishing eventually the character of the fence.

The third assumes that the process of transformation of the barracks will encourage the awareness of the environmental, archaeological, historical and artistic importance of this area of Novara.

The fourth assumes to reinforce the "University personality" as a more specialized center for high education, research, experimental and operational laboratories, and to interconnect the University in the entire system of Eastern Piedmont and the city.



STRUCTURE OF THE CAMPUS

Novara, formerly a strategic military location, is closely linked to the concept of “fence” and its overcoming.

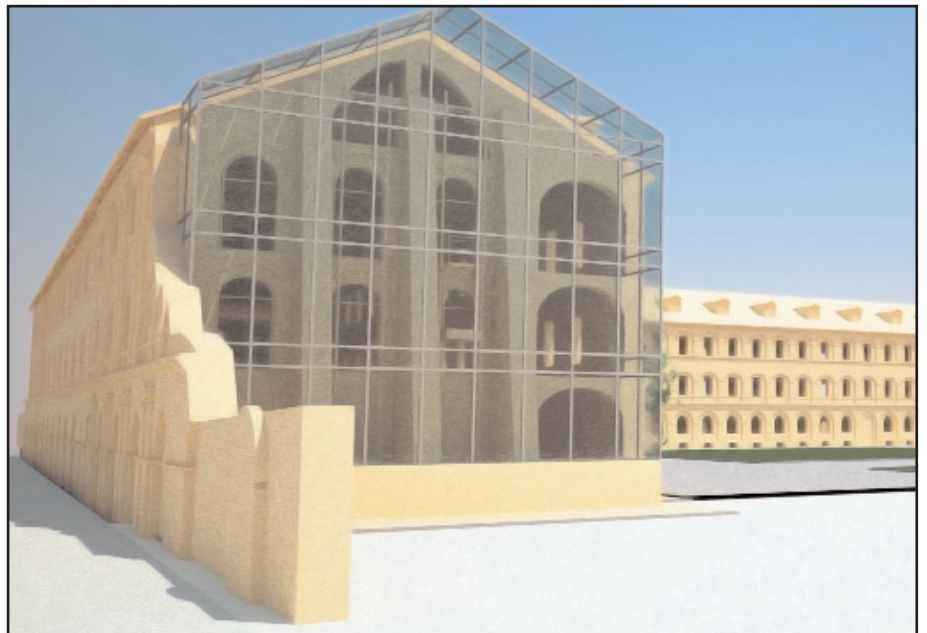
The campus has three independent yet interrelated areas - the “outer crust”, “intermediate/semi-public” and the “private”.

The heart of the private area is the University court, which overlooks the restructured Pavilion A and the New Hall C. Presently the courtyard is used as parking, but this will be then converted to a green area, with the construction of an underground carpark.

The “semipublic” area includes the Library and the Hall.

The third area is open to the public and has more relation and connections with the city, which includes University residences, sports facilities, public halls and shops.

The goal is a constant interplay between the various parts of the campus and across the city.



The project uses ground water for cooling and heating, so as to be environment friendly. The reduction on expenses is achieved by reducing the energy requirements of the building and increasing the effectiveness of the system, and using energy derived largely from renewable sources.

The first goal is realized by a building envelope which uses specific solutions of high thickness insulation, thermal windows with high-level illumination enhancement and solar radiation control.

The second one is realized by the use of building materials that have been manufactured with a low energy consumption and least amount of pollutants emitted.

Finally, the third one is reached using hot water for heating produced by heat pumps which draws energy from the groundwater. About 4/5 of its energy will be transferred to the heating system.

The efficiency of this system contributes to reduce to 35 percent the heating cost of the complex, and to 45 percent the overall emission of pollutants.

