



POLITECNICO
DI TORINO

Honors thesis

MASTER'S DEGREE IN SUSTAINABILITY DESIGN

Abstract

**Refurbishment design of the Giacinto Pacchiotti
Foundation: from the metric survey to the future uses**

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The thesis is focused on the refurbishment of the Giacinto Pacchiotti Foundation's property in Giaveno which consists of: the main building, which host the educational activities and the headquarters of many associations, the so-called neo-romanesque canopy, the building so-called farmstead, and a large proportion of vegetation respectively park on the front, and playing fields in the back of the complex.

The buildings and the park of the Foundation are bound *ope legis* in the list of the cultural heritage and environmental goods.

Because of the sociocultural importance of the structure, the thesis project is not only focused on the preservation of the typological, aesthetic and functional appearance, but it also examines the needs and conditions of the environment of the placed in which it is located.

The current heterogeneous and multiplicity of functions, in some cases uneven and not appropriate with the didactic mission of the Foundation, has carried out some previous analysis of the project which led to a reorganisation and functional rationalise of the whole building.



Satellite photo, marked in red the project intervention area.



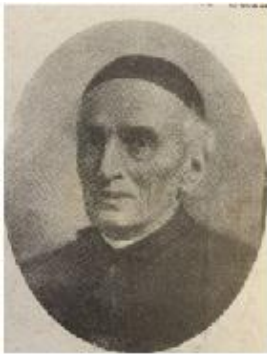
Front entrance of the Pacchiotti Institute.

The work can be summarized in three main steps:

1. The first phase was about the knowledge of the history and of the place, in order to understand how the Pacchiotti Foundation it's related with the context from the beginning of its activities to the present day.

The historical analysis was conducted in the first place on Giaveno's territory, to understand in what context I was going to work and later in the specific area of the intervention in which was analyzed the most relevant historical events of the Foundation: from the will of Giacinto Pacchiotti, in which he expressed the will of the construction of the building, in more recent times.

Giacinto Pacchiotti, canon of the Giaveno Collegiata, was the only heir of his family and he gave to the charity all of his assets, with an holographic will. In the will most significant was the desire of founding a professional training institution and introductions to work for the young people of the Val Sangone that became successively merit for the entire community.



Giacinto Pacchiotti,
founder of the Institute.



Historic photo of the Pacchiotti Institute.

2. The second phase was about the survey: in the first place of the whole building and then of the other part of the complex.

The survey was a direct one, personally performed with traditional instruments.

Because of the accuracy required in order to reach a precise survey and the large size of the structure, as well as its area of pertinence, it took a lot of time to complete this step.

Then the whole survey was drawn in CAD in different scales, according to what I wanted to highlight. It was also analyzed the backbone and vaults present in the building; the latter was returned in 3D to study the geometry.



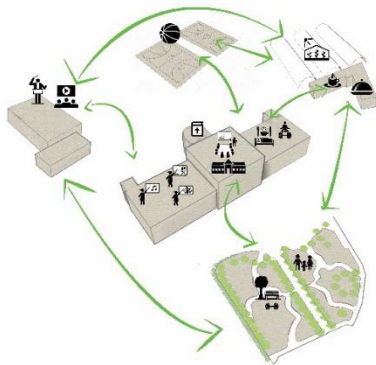
3D model of the vault.

3.The last phase includes the proposal for the enhancement and the restoration of the main building, as a central node, and of the other structures to which it is linked.

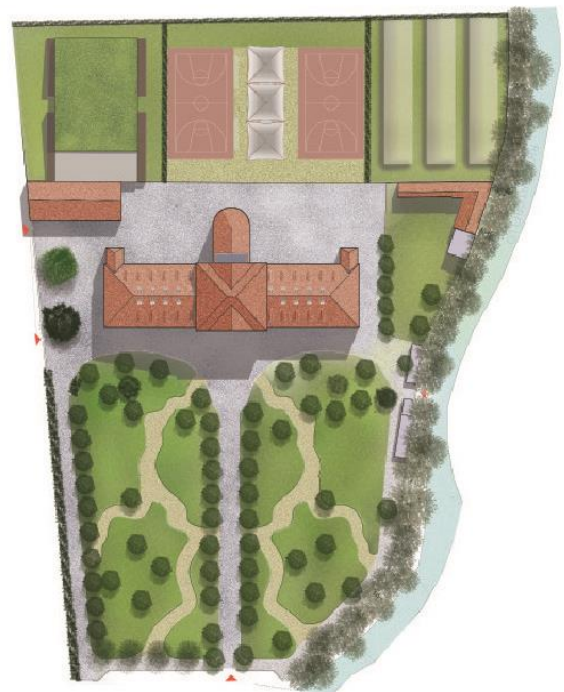
The project proposal considers the whole area, giving to each element of the complex its own role which live thanks to the different activities present in the site, with the intention to create a multi-purpose centre always operative, in order to use continuously the entire area.

Describing briefly the project proposal it provides new functions to the Foundation: a higher learning musical school and the renovation of the loft in a tourist accommodation for short periods. The building is designed in connection to the restaurant and the bar, which are inside the existing and abandoned edifice, to the playing fields, to the park for sports and with the new auditorium.

All phases and functions of the project are perceived to a larger scale as an integration in the activities of the nearby Blaise Pascal high school and equally into the municipality of Giaveno.



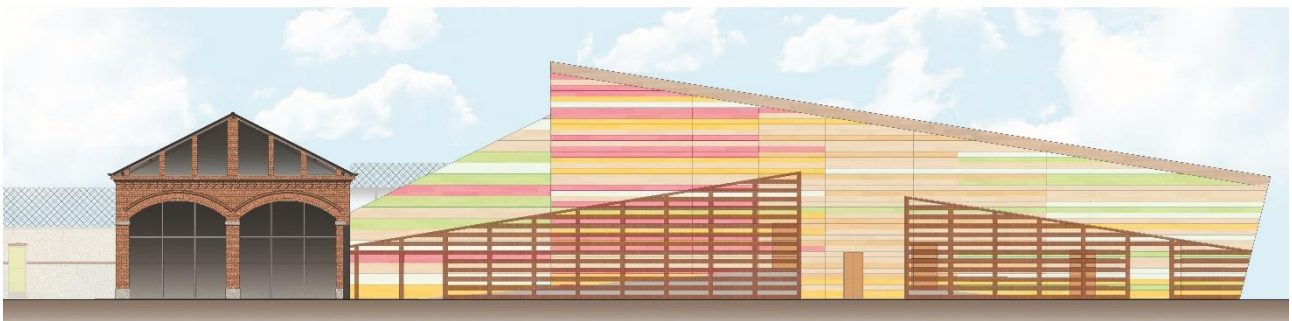
Concept of the whole area.



The project proposal for the intervention area



Render of the Auditorium and playing fields.



Lateral view of the Auditorium

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