



**Politecnico  
di Torino**

# **Honors Thesis**

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**Master of Science in Sustainable Architecture**

**Abstract**

**The Parco Diffuso Dinamitificio Nobel and the Dynamic-ficio:  
a regeneration project**

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Returning to the end of the 19th and 20th centuries, studying the history of many towns and villages of the Val di Susa, it's easy to be face-to-face with an industrial and productive past, with large factories and plants that for centuries characterized not only the economy but also influenced the society of the time; this is the case, for example, of the Maglificio Fratelli Bosio in Sant'Ambrogio di Torino, the Leumann factory in Collegno and the Dinamitificio Nobel in Avigliana.

Studying the history of these places and of the whether changes that happened to date, it's clear that in some cases there has been a requalification and regeneration. This was done in order to give new value to industrial complexes of formerly great value (such as for the Villaggio Leumann and the former Maglificio Fratelli Bosio). In other cases, unfortunately, we have to face the actual condition of disposal and abandonment of those spaces. This is the case of the former Dinamitificio Nobel.

Many of these industrial buildings are left today with no function, unused and empty. They have been left to the mercy of time and decay, with the same natural decay happening to the surrounding area. This creates an empty area within the fabric of the city, a complete lifeless, stationary area, which once was full of dynamism and now is left in ruins.

“[...] le lieu n'a pas d'autre projet que d'être occupé, de fonctionner, de se transformer en Marchant [...]” I; in this thesis, our work is focused on this concept of transformation and re-functionalization that, after an accurate study of the territory and of the history of the place, has allowed us to achieve the project Parco Diffuso Dinamitificio Nobel.

This project's idea was born as a regeneration and union between two areas of Avigliana city belonging to the former industrial plant, the former locality Valloja and the former T4 area. In the first case, in 2002, a first requalification project had already been carried out, and this transformed the area into the Museo Ex Dinamitificio Nobel, unfortunately not sufficiently valued and in a condition of general degradation and disuse. In the second case, instead, the former T4 area, located on the Lago Grande di Avigliana, is in a state of total abandonment and inaccessibility.

A careful study of the current state of conservation and of the architectural features of the buildings was carried out on both areas. The project was based on this study, which sees the redevelopment of the museum and the complete re-functionalization of the current void represented by the former T4 area, giving rise to the Museo Ex Dinamitificio Nobel 2.0 and the Dynamic-ficio.

In this great work of requalification, particular attention has been paid on the study and on the planning phases of the project of the former T4 area. Two entire chapters have been dedicated to the Dynamic-ficio, in which the architectural

design scale has been explored, along with the study on the feasibility and economic sustainability of the project. Due to the complexity of the intervention and the number of buildings found in the area, it seemed necessary to make this analysis as realistic and sustainable as possible. This means carrying out a careful evaluation of the costs and revenues coming from the various activities included in the area.

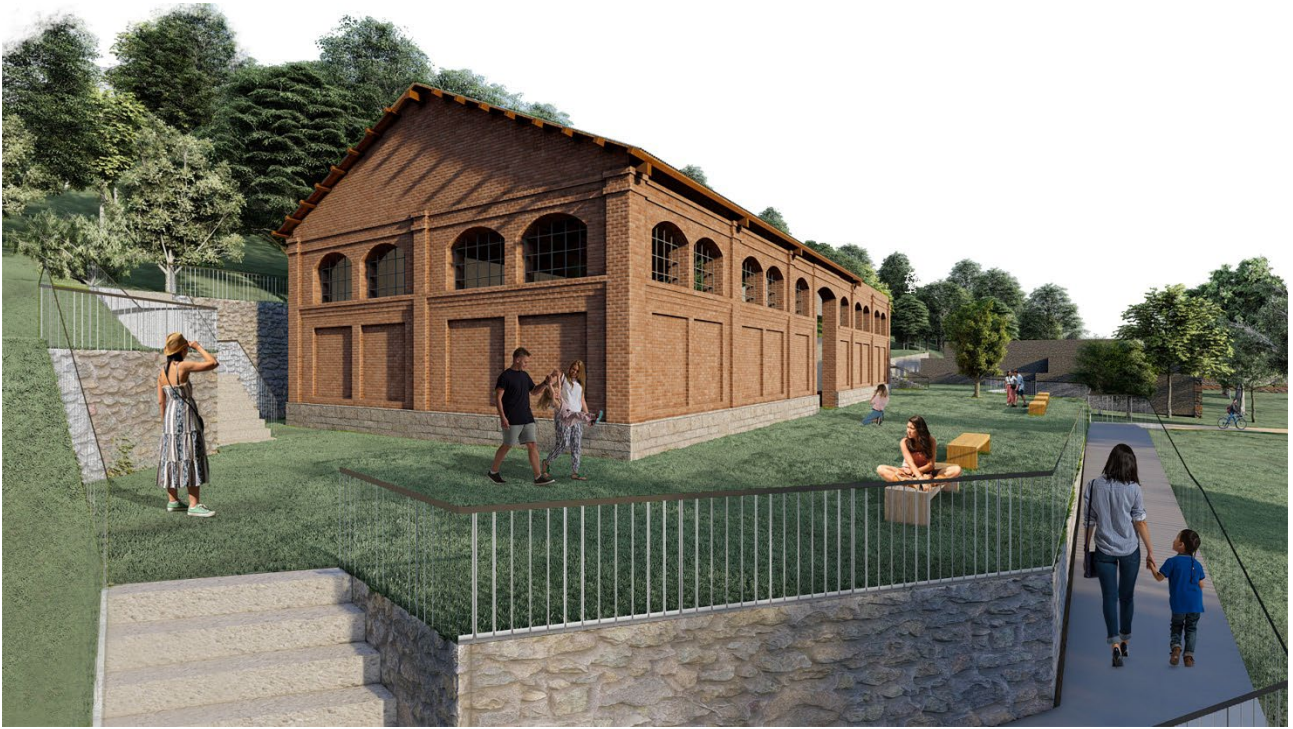
Therefore, within the Parco Diffuso Dinamitificio Nobel, the Dynamic-ficio and the Museo Ex Dinamitificio Nobel 2.0 are part of a project of functional complementarity and synergy.

In the past these two areas were part of the same industrial complex, and in the same way, thanks to this intervention, they return to collaborate together, becoming the two components of this great regenerative project, a new added value for Avigliana.

| Source: Kahn F., Entretien avec Patrick Bouchain, 2005

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