



POLITECNICO
DI TORINO

Honors thesis

Master of Science in Architecture (Construction)

Abstract

DESIGN OF AN ENVIRONMENTALLY EQUIPPED PRODUCTION AREA IN THE CITY OF FIER, ALBANIA

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by

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The topic of the thesis concerns the regeneration of an industrial area in the city of Fier called Gogo Nushi, which had significant influence on Albanian economy.

The plant was built in 1960 and it was composed by a fertilizer, thermoelectric and a refinery factory. The production site was abandoned 25 years ago, and during this period it was exposed to speculation, vandalism and deterioration phenomena. The decay of the buildings has been accentuated since the processing products were removed from the factory during 2003- 2009 and due to the illegal removal of metal parts (2011). Right now, just a small percentage of the plant can be visited, since the buildings are in a degraded situation.

This work is the continuation of the first thesis, which consisted in a documentary research and a recovery project.

The study is structured in three levels:

1. the analysis of the architecture
2. plant decay analysis and mapping
3. site recovery

The main goal of the project is to ensure a safe area for the inhabitants through the recovery and reuse of the plant, since the remediation work started in 2009 it's not completed and the toxic products are still on the soil.

The thesis promises - as a first hypothesis - the construction of an archaeological post-industrial park and an equipped sustainable production area with services and training activities.

An economic cultural hub with adaptive reuse of existing production facilities.

The project is based on an environment policy which objective is to promote the economic growth respecting at the same time the environment on APEA Italian model (Area Produttiva Ecologicamente Attrezzata) that envisages the growth of the production system and the employment in a progression perspective.

The implementation of this program could inspire a collaboration between companies, public/private institutions and citizens. The project can be attained by private or public initiative.

The regeneration project can be developed into phases, and the intended uses are:

- A public mall (the old railway station)
- Mixed use buildings in which will be hold technological and research activity
- Offices
- Vertical Museum
- Cultural facility's (exhibition halls, meetings)
- Handcraft area
- Multi-store car park
- Factory for the production of biological fertilizer,
- Pre – school area

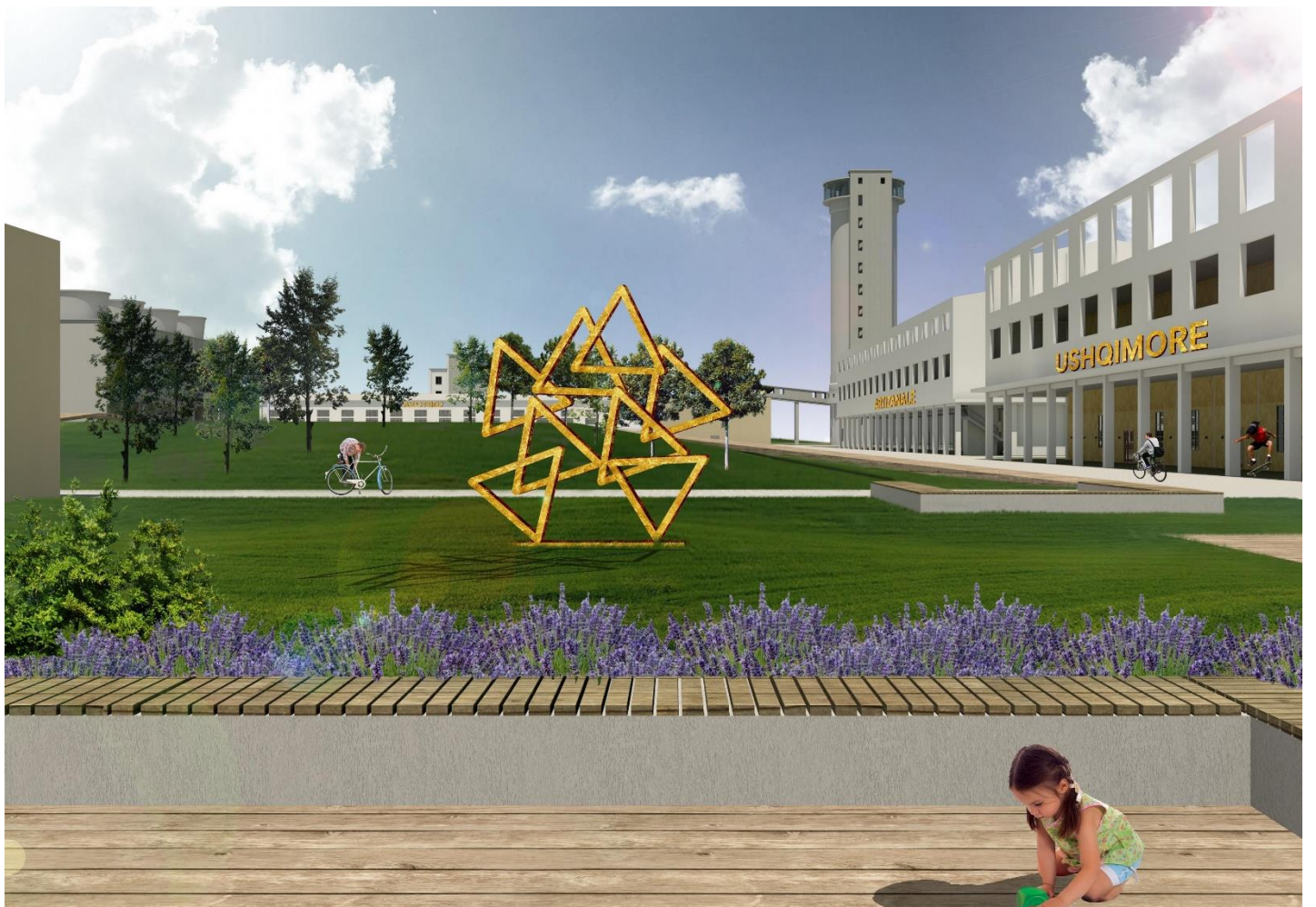
Azotiku park will be an equipped and sustainable multifunctional center with a mixed use, business activities, the production activities, research activities, technological innovation and a nursery school.

The area in which Azotiku is built has been perceived as marginal and dangerous, so, this project proposes a socio-cultural development and a safer area.

The main purpose of this work is to highlight the the protective potential of the architectural value of industrial heritage - witness, regeneration and enhancement.



Masterplan



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