

RESUMEN PROYECTO DE TESIS

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Título del Proyecto de tesis: Urban recycling of derelict industrial sites. Analysis of socio-economic development of post-industrial districts

Project abstract

During the turbulent history of the last century, many cities had periods of growth and decline, and all that followed the rise and fall of industrial development. Constant development and changes in the needs of industrial production and the widespread crisis of numerous industrial sectors contributed to the appearance of derelict industrial areas and facilities. Abandoned industrial areas are often located in the central city zone and prevent the balanced development of the city.

From the national to the local level there is a decisive attitude to sustainable development and a constant attempt to compromise and reinterpret the concept to support the aim of economic development. A sustainable city is one that makes use of new forms of citizen participation, implements sustainable transport and mobility concepts, promotes environmentally sound building measures, has an ecological energy supply and minimizes energy consumption, designs socially oriented living spaces on brownfield sites, and at the same time allows for accessibility for different social groups. The recycling projects of derelict industrial areas studied on the present thesis follow design principles that promote sustainability, reduce negative environmental impacts, and foment economic prosperity, social inclusion and a better quality of life.

In the reclamation of derelict industrial areas it is essential to define the contributions of the landscape components, once different approaches to these components, may give different ways to reclaim landscape, allowing the use of different design strategies. To specify the different design strategies that may be used in the reclamation of derelict industrial areas three case studies will be presented, each one related with a different strategy. Based on the applied strategy, in this thesis I will analyze the three case studies:

- Industrial heritage in Manchester;
- Distillery District in Toronto;
- Industrial heritage in Terrassa;

In these projects it was found that the adopted design strategies are beneficial to the society, economy and the environment respecting the models of urban recycling. Through case studies I will present models of financing, method of protecting the industrial heritage and the impact on the environment and society. In the projects specified above it was found that the adopted design strategies minimize the environmental impact assuring a harmonious reclamation of the natural and built environments and contribute to economic growth.

Hypothesis: Urban recycling of derelict industrial areas is indispensable for sustainable district development and conservation of industrial heritage and it at the same time marks a new commitment to the transformation of abandoned industrial sites to new cultural, economic and environmental uses. The transformation of derelict industrial sites into public spaces represents a significant enhancement to the quality of life and use of land, and recognition of the great potential for economic development of the place.

Methodology will consist of three parts: an introductory theoretical part with theoretical emphasis of economic politics, the research part (textual analysis, comparison of economic strategies, survey) and evaluation part. It will be research theoretical literature focusing on urban city recycling and ways of its implementation in the field of industrial heritage.