Eco Habitat Odivelas

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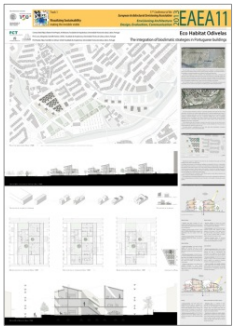

Abstract This work presents a study on the possible bioclimatic strategies that could improve the energy performance of the existing and new buildings in a part of the city of Odivelas in Portugal.

This study would have as one of the main objectives a focus on various bioclimatic questions that the buildings are subject, and how architects can respond more effectively to this problematic. Evidencing its positive impacts and proposing projects that while good works of architecture respond efficiently to the location, the climate and the culture where are inserted, are one of the specially objectives.

To achieve this goal, the research is structured into three parts:

The first one analyses the context of the Portuguese architecture and urban interventions in terms of bioclimatic strategies, studying experiences and analyzing case studies with the same questions that have been successful in their proposals.

The second part is an analysis presented to the city in study, Odivelas city, where it is analyzed the building's evolution, the existing typologies, the type of this population, the potential and the weaknesses of the site, as well as a study on the climatic conditions of the location.

Finally the third part, is to present a project that respond the best way as possible to the needs of today's live and that likewise act responsibly and cared with the resources that we have today, in the context of study – Odivelas city.

The project – ECO HABITAT ODIVELAS, which is the aim of the research has been the subject of development and served as an example of how we can develop a project that attempts to integrate from the initial stage of the proposed issues of bioclimatic architecture and promote efficiently ways of living the portuguese city.

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