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retrofitting of existing housing stock – an architectural challenge on all scales

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Abstract

The paper is a case study in retrofitting an urban quarter with social housing of the 1950's and 1960's - a model project in Amberg/Germany. It documents and discusses applied 'acupuncture' and innovative strategies on very different scales as well as on different layers, in order to meet the goal of a sustainable retrofitting project in a holistic sense: This included cultural, social, environmental and economic sustainability. The first phase of the project is built and the process included a high level of user participation.

The project is an example of integral design from competition level and it was given advice, support and is presently evaluated by Technische Universität Muenchen and Coburg University / Department of Sociology. The paper explains and reflects the proposal which was based on data provided by sociological and technical research before the competition. The simulation data and questionnaires will be examined over a period of 3 years.

Keywords - sustainable retrofitting; cultural identity; prototypic solutions; upgrading spaces without gentrification; monitoring and evaluation