Aarhus School of Architecture // Design School Kolding // Royal Danish Academy

Retrofitting of existing housing stock

Unterrainer, Walter

Publication date: 2015

Document Version: Peer reviewed version

Link to publication

Citation for pulished version (APA): Unterrainer, W. (2015). *Retrofitting of existing housing stock: an architectural challenge on all scales.* Abstract from changing cities 2, Port Heli, Greece.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

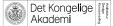
- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
 You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.



Designskolen Kolding



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

Professor Walter Unterrainer

Professor Aarhus School of Architecture +45 89 360143 walter.unterrainer@aarch.dk

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