

Systems in Façade Refurbishment **Ecologic and economic efficiency in office buildings**

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Subject: Façade Refurbishment for office buildings

A large number of office buildings have been built in the years 1960 to 1980. These buildings are often considered not worthy for renovation. The research will present strategies to extend the life span of such buildings.

Refurbishment of the façade provides the chance to bring buildings to nowadays energetic standards. New building services can be brought in. The process can take place with limited disturbance of working staff.

Goals

A guideline for planners and building owners will provide condensed knowledge of the theme and may motivate to commence renovation projects.

Research Question

How far do systemized solutions work in façade refurbishment of the office stock of the 1960s and 1970s? Which steps do I have to take in planning a renovation project?

Strategy

During the project a market analysis takes place to define the problems and demands of common office buildings from the 1960s and 1970s. The assessment of representative case studies and the development of system-based solutions for the renovation of facades and installations deliver best practice examples.

Expected Results

The research project shall result the development of general renovation-recommendations suitable for various renovation tasks. The means and methods of the planning process, a collection of common problems and the evaluation of representative cases, serving as "best-practise-examples", will sum up to the final result

Preferred Partners Applications / Sponsors

Façade industry, Real-estate developers, owners of office and administration buildings

Prime Publication / Prototyping

The project was presented at various conferences in Europe and Asia. Four very promising case-studies have been finished during the project so far. Two of these cases are currently being refurbished based on the results of the research.

Research Period

2006 - 2010