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Ecological house building projects in foreign countries

Examples from Sweden, Denmark, Austria and Switzerland

During the last years a greater number of housing estates as well as some multiple dwellings with ecological focal points have been realized in Switzerland, Austria, Denmark and in Sweden. As a rule no detailed reports are available in the Federal Republic of Germany on the gathered experience during the planning and carrying-out as well as on the achieved results.

On this background the ecological measures applied at nine particular building examples are documented and analysed within the framework of this investigation, in order to gain new findings and to collect information for the planning and realization of new building projects.

To sum up, the analysis of the foreign projects with regard to house building in the Federal Republic of Germany shows that it is possible to reduce the energy consumption for new houses to the level of low energy houses with a heat consumption of max. 70 kWh/m<sup>2</sup> per room by means of relatively simple measures during the planning and construction phase. With this aim in view, ecological measures must not be neglected in the preparational stage of the building construction, which means during the stages of development, construction and do not cause, as a rule, any additional expenses. In the sanitary sector it has emerged that, as far as the concentrated house building is concerned, efficient saving of drinking water is possible at a limited expenditure by the installation of water-saving fittings and the connection of water and energy saving household devices.