

HISTORICAL SOLUTIONS IN BUILDINGS IN THE CONTEXT OF CURRENT PROBLEMS OF GREEN ARCHITECTURE

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Abstract

The paper discusses the current problems of green architecture in Poland, yet, its main purpose is to search for historical architectural solutions in the area of broadly defined users' comfort, thermal comfort and ventilation. The aim of the work is to show an alternative development direction for energy-efficient architecture in relation to more and more strict thermal standards. The paper presents a number of interesting solutions, which, from the point of view of the current technological development, are examples of green architecture, where both energy-efficiency issues as well as thermal comfort and users' health issues are crucial. The presentation of historic architecture examples is a pretext for a broader look at architecture and for showing contemporary rules, which do not always lead to the most important goal, that is, the creation of sustainable architecture focused on users' health. The results of the studies cover the formulation of the most important, according to the author, solutions for the future of sustainable architecture. They can be used in the creation of new principles of truly green architecture, where energy efficiency will not conflict with users' comfort and health.

Keywords: Sustainable Architecture; Green Building; History of Architecture; Ventilation; Indoor Air Quality; Health of Users.