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Protection and Conservation of Monuments Supported by GIS

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Introduction

The issue of monument protection and conservation not incidentally has become a part of the scope of interests of the Center for Computer Aided Architectural Design. As a research-educational division of the School of Architecture, Warsaw University of Technology, we are a partner providing advisory and implementation services. Employment of a large computer system such as Intergraph's MGE will constitute a considerable improvement for Conservation Offices in the introduction, storage, updating and accessibility of historical maps, photographs, information about information, geological and topological, network, roads, sites, CAD drawings and 3D models.

Another important effect will be that of setting a direction for activities of other offices interested in increasing their work efficiency through computerization.

The following four institutions are involved in the project:

School of Architecture, Warsaw University of Technology

State Service for the Protection of Monuments

Visitronics

Intergraph

A demo created by architecture students, presenting the abilities of the system, is the first step towards proving the advantages of computer data base for proper project appraisal to individuals responsible for financial resources management in Polish monument protection authorities. The Wilanów Place-Garden Complex has been chosen for this purpose, as an entity characterized by numerous highly complicated architectural and spatial conditions. A set of maps displaying historical correlations between Warsaw and Wilanów, a three-dimensional model of the area and the palace itself, together with a data base including the most important information will become a tool in the hands of the State Service for the Protection of Monuments allowing for conducting numerous diversified analyses.

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