**Efficiency of Adaptive Methods in Architecture**

 Construction and architecture are vital fields of human activity. They shape our environment, reflect national, ethnic, cultural, and technological achievements, and positively influence our lives by creating comfortable living conditions. However, modern challenges pose new tasks for these industries, and one of the main current issues is the efficiency of design methods, as well as adaptability and flexibility in construction.

Modern design methods differ from traditional ones in that they are based on analysis, forecasting, and flexibility. Traditional approaches usually rely on standard solutions that were relevant in the past century. Modern methods, on the other hand, allow for consideration of changes and needs throughout the current building cycle.

Adaptability and flexibility in construction are pressing issues in contemporary development. Modern structures must be resilient to changes that may occur during their life cycle. Systems that enable quick changes in a building's functionality or design without significant losses are becoming increasingly important. The adaptability and flexibility of such projects may increase the cost of construction at the initial stage, but these expenses are offset during renovations. When a building can be adapted to new needs without demolition or reconstruction, it becomes more sustainable and durable.

The application of modern design methods, which allow for the creation of adaptive architectural and construction systems, is an important step in solving current problems in construction and architecture. They help preserve historical memory and cultural heritage while ensuring stability and flexibility in modern buildings.

Thus, the role of modern design methods in architecture, adaptability, and flexibility in construction is becoming increasingly important in today's world, where environmental changes and user needs are constantly growing.

**References**

1. Modern Problems of Architecture and Urban Planning: Scientific and Technical Collection / Ed. V.V. Tovbych. – Kyiv, KNUCA, 2023. – Issue 65.
2. Modern Problems of Architecture and Urban Planning: Scientific and Technical Collection / Ed. V.V. Tovbych. – Kyiv, KNUCA, 2023. – Issue 66.