

NEW TECHNOLOGY IN ECONOMIC, AESTHETIC AND FUNCTIONAL ARCHITECTURE DEVELOPMENT

Ljiljana Stošić, PhD¹, dia Predrag Mihajlović², Marija Mihajlović³

¹College of Applied Professional Studies, Vranje, SERBIA, mihajlovicp@ptt.rs

²Ministry of Construction, Transportation and Infrastructure of the Republic of Serbia, Belgrade, SERBIA, predrag.mihajlovic@mgi.gov.rs

³Faculty of Civil Engineering and Architecture, University of Niš, SERBIA, mihajlovicp@ptt.rs

Abstract: *Architecture and its achievements supported construction industry, it is very important branch for the functioning of the economy as a whole. Since its inception, these activities are associated with all forms of life and work. The development of the productive forces of society, architecture and construction are becoming important business areas, associated with a large number of economic activities, according to estimates from more than 30 industry, whose products are used as a tool for work or materials for the construction and installation of the construction works. Once one of the most expansive and the most propulsive export economy branches, highly profitable domestic construction, now shares the fate of the overall economic situation in the country. Architects perform many roles that are both artists, scientists and mathematicians, economists, cartographers, writers, energy experts, biologists, technologists ... This is possible because they differ from the rest of the world after the one feature that is inherent to the architectural profession and the common for all persons a restless spirit, it is a curiosity, and ability and willingness to accept new ideas to constantly check the improvement in the world that surrounds people. In fact, the Internet is a kind of podium for architects, inexhaustible maze of inspiration and ideas. Classical architectural and building skills, combined with modern achievements, may help solve the world's three global problems:*

- *The Earth (excessive use of fossil fuels leads to the formation GSB);*
- *Finality of conventional sources of energy - the energy crisis;*
- *The ecological crisis.*

This paper will discuss the role of architects and architecture as a science in the light of current scientific and technical solutions in order to solve the biggest problems contemporaries in accordance with the principles of sustainable development.

Key words: *new technologies, architecture*