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"Technology compatible with the environment and its effect on contemporary interior design"

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Abstract:

In the current era, the world is witnessing tremendous progress in technological systems in all fields, Where both architecture and interior design have been greatly affected by the development of technology, The natural environment in Egypt has also witnessed many changes, especially in the past quarter century, which includes issues of energy consumption, resource depletion and pollution. Here lies the research problem in how to use technology without harming the environment. Where it has become necessary to need facilities that save energy consumption or generate it, Therefore, designers must pay attention to systems that rationalize energy consumption and sustain buildings to achieve the required comfort in the interior space by using modern technological means. In view of the increasing environmental risks, the return to nature and the use of technology compatible with the environment has become a necessity to reduce those risks and achieve sustainable development. Therefore, the research aims to link modern technology with environmental design and its application without harming the surrounding environment, and to achieve optimal energy consumption efficiency without depleting natural resources. The research relied on the analytical descriptive approach by conducting an analytical study of some models and clarifying their role in developing environmental design thinking and achieving technology compatible with the environment. The research dealt with the definition of technology compatible with the environment and the study of various technological techniques that can be used in facilities to save energy and preserve the environment at the same time. Then it dealt with some models of international architectural works that follow the same approach in architectural and interior design, leading to the results and recommendations.

Keywords:

Compatible technology - environment - interior design – contemporary

References:

1. El-Essawy, Mohamed Abdel-Fattah, "Environmental Design Economics - A Model for Environmental Economic Design and Its Impact on Buildings," Ph.D. Thesis, Department of Architectural Engineering, Faculty of Engineering, Cairo University, 2007.
2. Sayed, Reham Mohamed Bahaa El-Din - My Mind, Hebatullah Othman Abdel-Rahim, "Technology and its reflection on the aesthetics of designing the external form of architecture", Journal of Arts and Applied Sciences, Volume Six, Issue Five, January 2019, Damietta University.
3. Fadel, Asmaa Magdy Mohamed - "Smart Architecture and its Technological Reflection on Design - A Case Study of Administrative Buildings", Master Thesis - Faculty of Engineering, Department of Architectural Engineering, Cairo University, 2011.
4. Kandil, Moshira Fareed Mahmoud - "Benefiting from the Ecotechnological Architecture Trend and its Impact on Contemporary Interior Design," Ph.D. Thesis, Faculty of Applied Arts, Helwan University, 2019.
5. Mahmoud, Nirvana Osama Hanafi, "Assessing the Performance of Smart Buildings in Egypt Based on Computational and Cognitive Tools," PhD Thesis, Department of Architectural Engineering, Faculty of Engineering, Cairo University, 2015.
6. Slessor, Catherine –"Eco-tech: Sustainable Architecture and High Technology"– published by Thames & Hudson Ltd–London-2001.
7. Terri Meyer B.&B,Arch.(202),The Tectonics of the Double Skin:North American Case Study, School of Architecture,University of Waterloo.
8. https://www.archdaily.com/285637/umwelt-arena-rene-schmid-architekten
9. https://en.wikipedia.org/wiki/Hearst_Tower_(Manhattan)
10. https://www.syr-res.com/pictures/1671215132.jpg
11. https://static.wixstatic.com/media/3b361b_b72a3e8fad8c4e7e915e04f93062881c~mv2_d_4417_2939_s_4_2.jpg/v1/fill/w_630,h_419,al_c,q_80,usm_0.66_1.00_0.01/3b361b_b72a3e8fad8c4e7e915e04f93062881c~mv2_d_4417_2939_s_4_2.webp-

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