

An Analytical Field Study on the Principles of Sustainability in the Interior Design of Modern Egyptian Buildings

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Abstract

The world is constantly moving towards environmental-friendliness, and there are plenty of modern concepts that attempt to link architecture and the environment, in previous as well as current times. This is done in order to connect a heritage that's full of spirituality, with a modernity that's heavily influenced by material inclinations. This is to be accomplished through the use of engineering as well as technical capabilities that prepare and adapt the environment to make it suitable for living and that allow it to maintain its quality. Furthermore, "sustainability" has become part of the mainstream discourse. It refers to "developmental strategies that take into account the requirements and aspirations of current and future generations at once, and is simultaneously aimed at providing a balance of interests that serves everyone in the fields of economy, society and environment." This is in addition to the emergence of the ecological infrastructure concept, which is concerned with the natural and material environmental surroundings. This concept also recommends the use of environment-friendly material, calling towards the preservation of the natural resource base.

Sustainable development has adopted a set of strategies, including the following: optimally orienting the building, exploiting natural energies and taking into account planning systems, building details... etc." In addition to that, it has adopting strategies to improve the quality of life for the tenants in matters of public health. Sustainable design is also regarded as an essential step to achieve economic growth while protecting natural resources and raw material, in order to achieve sustainable design, and principles of sustainability.

Research objective: The research aims to study the concept of sustainable development and its applications in the field of interior design, and the extent to which this concept is used in preserving natural resources from extinction.`1

Research problem:

- Failure to plan for future needs and depletion of natural resources due to the delay in applying the concept of sustainable development in the field of interior design.
- The existence of designs that are not suitable for the Egyptian environment that do not meet the needs of its users, which were present in previous eras.

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Research Methodology: Descriptive and Analytical Approach

Research Boundaries: Objective boundaries of the sustainability principles of architecture

Keywords:

Analytical, Field, Sustainability Interior, Design