

# **Technological impact on buildings: The extent to which the technology effects on buildings and its relationship to the environment A case study between the past and the present**

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## **Summary:**

There is a severe neglect in the surrounding environmental resources, where materials and elements are used directly in environmental buildings, which leads to the rapid expiration of available resources without taking into account the rights of future generation. It turns out that there is a clear impact of the use of technological materials on buildings according to the nature of the surrounding environment, where technological development has a clear impact on reaching the same characteristics of the building to be compatible with its environment in a way that keeps pace with the current era, and this effect comes in the clarity of the full image of the building, whether it is for the building systems or the outer cover of it, and this varies according to the surrounding environment. It is known and followed that buildings associated with the environment have the ability to achieve complete comfort for its users using the environmental elements available to them from the surrounding environment, but rapid technological development and the emergence of technological materials, led to a new breakthrough in our society, where it is possible to apply and use technological materials to reach the same purpose required of buildings compatible with the environment in full, which contains the characteristics and features of the environmental building, but under its submission to modern technological materials and elements to keep pace with the times. Where the correct use of technology in terms of treatments is of great importance in finding solutions that are compatible with the environment and full respect for it through the correct employment of the technology used, such as reusing materials, taking advantage of the waste rates, recycling them and using them again. The design should be within the intellectual and technological context of the era, while avoiding the introduction of environmental solutions for later ages in the design of the contemporary urban environment. This is what will be discussed by the research with clarification of examples of buildings.

## **Key words:**

technological elements, environmental elements, environmental compatibility, technological impact