

# Influence of Advanced Technologies in The Design of Modern Facades

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## **Abstract**

Architectural and interior design has been influenced by the enormous technological evolution of the world. Designers have begun to use the latest technologies available in the design and implementation of architectural products, particularly in the design of building interfaces, which rely mainly on technology in all its formal and functional aspects.

The problem of research is the paucity of comprehensive and technology-oriented intellectual and applied studies in the design of building interfaces. Research aims to illustrate the impact of advanced techniques as a key variable in the design of functional as well as formal interfaces. To achieve the objective of research, research has relied on explaining and clarifying the types of vocabulary. Glass has been instrumental and influential in the design of facades. The evolution of the concept of glass use has been of great importance and influence to modern architects in trying to adapt external facades and solve their problems, as these materials have features that are not available from other ores. They have the capacity to acquire and distribute the greatest amount of light and rays in the directions required by the utility of design, as well as to reach the upper limit in terms of design. (Aesthetic) and functional for use in the design of external interfaces, with examples of modern interfaces tailored to advanced techniques, and concluded with theoretical and applied conclusions and recommendations.

## **Keywords:**

Exterior facades, smart glass, technology