

The Sun Louvers as one of the Means of Adapting to the Repercussions of Climate Change

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Abstract:

Climate change and its potential effects are a source of great concern to all countries of the world, based on the importance of the issue of climate change and the extent of its attractiveness to global and local concerns. This study examines one of the means of adapting to the repercussions of climate change, preserving the environment, reducing energy consumption and exploiting ventilation and natural lighting. And achieving environmental sustainability. There are also many problems that the research is exposed to, including the need to know the functional features of light louvers and their importance, and the lack of knowledge of the basics of quality climate design for the interior space. This research also aims to apply reliance on ecosystem resources and technology to protect the environment and climate and move to a sustainable society with low carbon emissions and knowing the importance of using light louvers in achieving sustainable development goals. This research follows the descriptive and analytical approach, where light louvers, their importance and methods of application in interior spaces will be described and analyzed.

The research concludes by presenting applied models on the application of light louvers (sun louvers) in a contemporary manner and their importance, and presenting the results, the most important of which is that applying the appropriate type of louvers to the building helps save non-renewable energy consumption and reduce electricity loads, and recommendations, the most important of which are the study of sustainable materials that It can be used to manufacture light louvers that can receive sunlight and convert it into energy that can be used within the interior space in order to reduce electricity loads.

Keywords :

Sun Louvers, Climate Change, Reducing Electricity Loads, Global Warming, Climate Design

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