

## Green Housing Projects in Egypt: A Futuristic Approach

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**Abstract :** Sustainable development has become an important concern worldwide, and climate change has become a global threat. Some of these affect how we approach environmental issues — and how we should approach them. Environmental aspects have an important impact on the built environment, that's why knowledge about Green Building and Green Construction become a vital dimension of urban sustainable development to face the challenges of climate change. There are several levels of green buildings, from energy-efficient lighting to 100% eco-friendly construction; the concept of green buildings in Egypt is still a rare occurrence, with the concept being relatively new to the market. There are several projects on the ground that currently employing sustainable and green solutions to some extent, some of them achieve a limit of success and others fail to employ the new solutions. The market and the cost as well, are great factors. From the last century, green architecture and environmental sustainability become a famous trend that all the researchers like to follow. Nowadays, the trend towards green has shifted to housing and real estate projects. While the environmental aspects are the key to achieve green buildings, the economic benefits, and the market forces are considered as big challenges. The paper assumes that some appropriate environmental treatments could be added to the applied prototype of the governmental social housing projects in Egypt to achieve better environmental solutions. The aim of the research is to get housing projects in Egypt closer to the track of sustainable and green buildings, through making a local future proposal to be integrated into the current policies. The proposed model is based upon adding some appropriate, cheap environmental modifications to the prototype of the Ministry of Housing, Infrastructure, and New Urban Communities. The research is based on an analytical, comparative analytical, and inductive approach to study and analyze the housing projects in Egypt and the possibilities of integrating green techniques into it.

**Keywords :** green buildings, urban sustainability, housing projects, sustainable development goals, Egypt 2030

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