Sustainable Architecture
Between Theory and Application in Egypt

Master Thesis Abstract

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Abstract

Development processes of societies and countries are aiming to raising the community’s nature, economic and social environment, those processes are resulting environment hazards and negative impacts.

So, it is necessary to taking other directions of development to enhancing the quality of life without producing negative impacts to local and global nature, economic and social environment.

Sustainability and sustainable development is a new direction of development which aiming to meeting the needing of the present generations without reducing the abilities of future generations to have their requirements in all areas which relating to them through the various dimensions of sustainability: naturally, economically and socially and without resulting any negative impacts for local and global environment.

Architecture field is representing great challenges in the area of implementing sustainability in all processes of construction and reconstruction because they are consuming large quantities of materials, great amount of energy and nonrenewable nature sources, producing large quantities of wastes and resulting lot of negative impacts to local and global environment.

By applying sustainability in the field of architecture, there are differs in the criteria of implementing from one region to another causing by differences of nature, economic and social environment between them.

So, achieving an integrating sustainable architecture in Egypt needs to developing local design guidelines for implementing sustainability during each stage of architecture projects lifecycle and including all elements of sustainability implementing with considering local nature, economic and social environment. In addition, considering the roles of all people whom working in this area for applying this approach as a succession and integrating way suitable with local conditions.

Keywords: Sustainability, Sustainable Architecture, Environmental Architecture, Green Architecture.

Published In: Department of Architecture – Faculty of Engineering – Mattaria – Helwan University - Cairo, Egypt

References


