Green Building as Concept of Sustainability Sustainable Strategy to Design Office Building

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Abstract

The design, construction, operation, maintenance of buildings normally requires enormous amounts of energy, water and raw materials; generating large quantities of waste causing air and water pollution; whereas green buildings is the only answer through creating healthier and more resource efficient models of construction, renovation, operation and maintenance. Green Architecture and sustainable buildings are considered a modern trend in architectural thinking which manipulates the relationship between the building and the environment. Generally, office buildings are one of the highest types of buildings in energy consumption comparing to other buildings types. So it’s very important for an architect to implement specific strategies in order to decrease energy consumption especially in this type of buildings, by using renewable energy sources such as solar energy, wind energy and other sources which contribute in electric energy rationalization.