

Abstract

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RATING SYSTEM FOR EXISTING BUILDINGS FOR EGYPT- CASE STUDY: EDUCATIONAL BUILDING IN ABU-QIR CAMPUS, ARAB ACADEMY FOR SCIENCE, TECHNOLOGY & MARITIME TRANSPORT.

Green is a future way. Conventional buildings have a massive impact on the environment such as water and energy consumption, solid waste and wastewater generation. So, International Green Building Councils (GBCs.) had developed several rating systems as the most appropriate technique to assess the performance of a building environmentally. Although the existing buildings constitute the majority of building stock in the world, governments give less focus on greening Existing Buildings (EB), and more focus on greening New Constructions (NC). The Egyptian Green Building Council released the Green Pyramid Rating System (GPRS) in 2011, stamped "For Public Review", for New Construction only, and yet, there is no rating system for Existing Buildings. This research aims to propose a rating system for Existing Buildings, appropriate with the environmental context in Egypt. The applied methodology was describing green buildings, displaying several international rating systems, adapting a proposed rating system for Existing Buildings. Key Words: Green Buildings, Sustainability, Environmental Assessment, Rating System, GPRS.