

The role of the industrial designer in activating sustainable design in industrial establishments

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Abstract:

industrial establishments are the first responsible for environmental pollution as a result of the waste resulting from the products of these institutions, which are (paper, plastic, wooden and metal waste) where they are placed in garbage dumps, burning and disposing of them, which is a waste of the state's natural resources, its scarcity, and its impact on the surrounding environment and the social damage it causes And economic and environmental, and since the field of industrial design is one of the vital areas that always tries to create an intimate relationship between man, his environment and his products that help him to life, the industrial designer must intervene as the main pillar in this field, which works to find appropriate and innovative solutions that contribute to the situation An limit to these problems without affecting the environmental aspects or prejudice to the role of the industrial product in meeting the needs of the consumer, and this is through work within the systematic framework for sustainability so that it can reach environmental considerations for sustainable design, which is an environmental balanced design that is designed according to the concept of sustainability, that is, taking into account the dimensions of sustainability The three economic (on the example of the price of the product and customer experience), the environment (Al -Ta Resource and emissions consumption), social (working conditions and effects of use), and provides products that protect the environment and public health in the entire life cycle, starting from extracting raw materials and until the final disposal of them in order to achieve and activate sustainable design considerations within industrial institutions and create a competitive advantage for the institution , By achieving environmental compatibility between man, and the product where real competition has become through designing the best products suitable for the environment, and continuous improvement for them, as the design in the last stage has become one of the basic pillars to achieve quality requirements and environmental compatibility, as a result of environmental problems resulting from pollution with the end The default life of the product

Keywords:

Sustainability - Sustainable Design - Industrial Establishment - Industrial Design.