



Development of Possible Solution to Overcome Factors Influence on Sustainable Construction Process

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Abstract

The both of time challenges and technology developments are having influence on changes in the required level of any types of industries and in any country in the world. The importance of construction industry is making this sector need to develop without forgetting the negative impacts of the construction process on environment aspects. The objective of this paper is to identify the factors within negative impacts on sustainable process in construction industries by taking the vision of specialists via questionnaire techniques. The Identified factors has been divided into three groups each group associated with the concepts of integrated sustainable. The study is focused on “required actions” that have been drawn through experts to show the roadmap that will help the contractual parties to start in converting the traditional process on construction to be sustainable process. Through the conclusions can be reached facts that contribute to the adoption of sustainable standards in the construction industry in Iraq as a developing country.

Keywords: Construction; Factors; Influence; Sustainable; Project Management.

1. Introduction

For every system is needed the importance actions to develop all its parts. The stakeholders must spend more efforts to establish all sustainable concepts for implementation any construction project form conceptual phase until end step of project life cycle. There are so many factors influencing negative on establishment the sustainable criterions in construction process. Many studies have reflected the importance of sustainability in the construction industry. For developing a specific sustainable system in construction projects this requires continuous measures to minimize the side effects of the activities associated with this field. In order to achieve sustainable objectives, considerations should be given to the stages required to implement them and to prioritize the study of the reality of the challenges associated with each phase in order to reach the treatments on each part of problems during the implementation stages of the targeted system [1]. The design process has progressed to the stage when the construction activities can begin, certain issues that affect the sustainability of the finished product have been already fixed. The location, the building/structure's use and form, many of the specified materials, and who is going to undertake the construction will have already been decided. The location, the building/structure's use and form, many of the specified materials, and who is going to undertake the construction will have already been decided. If it can be assumed that all efforts that could have been made have been undertaken to ensure the final product is as sustainable as can be expected, these can still be undone in either major or minor ways by ‘getting it wrong’ on site and after the building is occupied [2].

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