Abstract
Master’s Degree International Project Management
(Building, Real Estate and Infrastructure)

Framework for Efficient Implementation of Integrated Project Delivery Approach in Egypt

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Abstract

The traditional project delivery approaches used in construction industry have over the years become fragmented and inefficient. These flaws have become more apparent due to an increasing level of project complexity and client demands. Integrated Project Delivery (IPD) was introduced as a response to these demands, offering a higher performing approach to project delivery. The benefits of IPD have been wildly proven and these benefits are urgently needed in the poorly performing and fragmented commercial construction market. IPD can offer the needed level of efficiency within the industry and replace the current Design & Build approach to project delivery.

The aim of this research is to determine the Egyptian market readiness for IPD, focusing on the key participants within the standard delivery team and their willingness and capability to adapt to key IPD principles and catalysts. The analysis of the results of this research will form a proposed framework for implementing the IPD approach and a clear set of recommendations on how the industry can best transition to an IPD system.

The study will identify the shortcomings of the currently used Design & Build (DB) approach and review the available IPD literature, to establish its philosophy and what it can offer to the Egyptian construction industry. An IPD readiness Interviews will then be developed that will focus on the key participants of the industry and their readiness to deliver a project under an IPD system. A further comparison will be conducted between the most common IPD contract forms to depict each form use. A qualitative research method will be applied for gathering and analyzing the data.

The conclusion on the key participants individual organizational IPD readiness and the overall industry IPD readiness will show that there is a moderate level of IPD readiness with numerous improvements required. Recommendations will then be proposed on how the industry can effectively transition to IPD.