

Value Management Implementation in Construction

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Value Management Implementation in Construction: A Global View

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*To God, the Almighty
And
Our Family Members*

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Preface

The construction industry plays a vital role in the economic development of a country. The roles performed by this industry can be diversified and classified into several functions to bring enhancements to activities in improving human's lives. The client's satisfaction is the priority as methods and techniques, both old and new, inculcated into construction works are to provide quality service to the owner of the construction project in terms of satisfaction and achieving the best value. For construction, it is very cogent to have structures well within a stipulated program of work, clinically delivered and the utility maximized to an acceptable standard.

There have been implementations of several tools and techniques to meet the standard required in project delivery over the years, and policies engaged in enhancing the quality and quantity of projects. These enhanced policies include the frequent involvement of information and communication technology (ICT) in buildings, implementation of knowledge management approach (KM), building information modelling (BIM), robotics in construction and other modern methods of construction. Since the inception of value management (VM) in the United States, the practice has grown tremendously and spread to other countries. Value management envelops a broad scope of putting together teams that could infer best practices from an adequate analysis of elements to achieve the best value for the all-round management of an identified project that is in line with the policy and terms of the standard expected by the organization. The implementation of this practice into construction in every facet will enhance productivity. It is unfortunate that this practice has not been fully implemented in most countries, especially developed countries, even when they are aware of the benefits involved in its adoption. Some of the problems associated with the low level of implementation are discussed in this book, along with exclusive benefits, methodologies, concepts, phases, workshop practices, amongst others.

The book is categorized into four parts for ease of navigation. The first part of the book details the general introduction of the subject coupled with the value system in construction and the book's objective regarding its problem-solving approach in the countries selected. The second part of the book explained value management practice in selected developed countries such as Australia, Canada, England, France, Hong Kong, Northern Cyprus, Scotland and the United States. The third part discussed the discipline of value management in developing countries such as China, Ghana, Malaysia, Nigeria, Saudi Arabia, South Africa, Sri Lanka and the United Arab Emirates. The fourth part is the general summary

of other aspects of value management fused into expanding knowledge and understanding of the subject. Each chapter begins with an introduction to the research topic and concludes with the salient points in the literature reviewed and the observations made. At the same time, the references provide an avenue for further reading into the research work.

The target audience for this book include: scholars in the built industry, sections of the government ministries that are saddled with infrastructural development and building maintenance regulations, corporate agencies (private and public) that consider policies in infrastructures from the inception to the post-completion of the project, interested individuals working towards achieving best value for their projects (big or small), policy makers who are saddled with the responsibilities of achieving the best value for construction projects in organizations with regulatory bodies working in the line of achieving standard new building protocols within a set locality and interested construction professionals in charge of estimations and cost-related fields of the construction industry. This book also offers enhanced learning to professionals, scholars, researchers, stakeholders and education-related institutions in architecture, building technology, cost estimating, estate management, project management, land surveying, urban and regional surveying and other disciplines in the built industry

The book can be adopted as a research guide and framework to assist and provide better and more relatable topics to value in construction. We hope the readers of this book will be intrigued by the insights detailed in each country's construction industry in terms of value management and thus increase the perception about the practice for better implementation across sections in construction.

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