

# Application of Value Engineering in Construction Projects

# Introduction

Value Engineering abbreviated as VE is a covered methodology used in a construction project with an aim of enhancing the economic value of the construction project. In this case solution, Focus is given to the use of VE in construction projects, and they advantages of this technique mainly in terms of improving the efficiency of projects without compromising on the quality.

# Value Engineering

Value engineering encompasses the examination of components and sub-processes of a project to determine the most effective version of the project which costs less to implement but provides similar or even superior functionality and/or quality to the initial project. is most often used in the design stage but can be used in any phase of a project.

# Cost Reduction

Perhaps the most-valuable advantage of using VE is the possibility of minimizing overall construction cost. Because essential functions in a project determine the necessary outlay of resources, unnecessary costs can be avoided. For instance, using high-cost materials whereby their substitutes offer the same performance can be costly hence expensive materials can be replaced by the cheaper ones causing quite a number of savings to be made.

# Conclusion

Value engineering as a concept in construction projects presents the dominant strategy for controlling the expenditure, quality as well as utility of most structures. This is because when project components are viewed systematically, VE can help stakeholders realise the best possible results.

# Recommendation

This case is just a sample partail case solution. Please place the order on the website to order your own orignally done case solution.

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