



*Training Course:
Maximizing Project Value: Comprehensive
Training in Value Engineering*

*4 - 8 April 2027
Cairo (Egypt)*

Training Course: Maximizing Project Value: Comprehensive Training in Value Engineering

Training Course code: EN235424 From: 4 - 8 April 2027 Venue: Cairo (Egypt) - Training Course Fees: 4410 € Euro

Introduction

Value Engineering VE is a systematic methodology used to improve project value by optimizing functions, reducing costs, and enhancing performance without compromising quality. It plays a critical role in ensuring that projects deliver maximum value throughout their lifecycle.

This program, designed by Global Horizon Training Center, equips participants with the tools and techniques required to apply Value Engineering effectively in project planning, design, and execution to achieve optimal outcomes.

Course Objectives

By the end of this program, participants will be able to:

- Understand the principles and methodology of Value Engineering
- Apply function analysis to identify cost-saving opportunities
- Conduct Value Engineering studies and workshops
- Evaluate alternatives and optimize project design and performance
- Balance cost, quality, and functionality in decision-making
- Identify and eliminate unnecessary costs without affecting project objectives
- Integrate Value Engineering into project lifecycle management
- Improve collaboration among project stakeholders

Target Audience

This program is designed for:

- Project Managers and Project Engineers
- Design and Planning Engineers
- Cost Control and Estimation Professionals
- Procurement and Contract Professionals
- Construction and Infrastructure Professionals
- Consultants and Technical Specialists involved in project development

Outline

Day 1: Fundamentals of Value Engineering

- Introduction to Value Engineering concepts and principles
- History and evolution of Value Engineering
- Value vs. cost vs. function
- Overview of VE job plan phases
- Roles and responsibilities in VE studies

Day 2: Function Analysis and Cost Evaluation

- Function identification and classification
- Function Analysis System Technique FAST
- Cost analysis and cost breakdown structures
- Identifying high-cost, low-value areas
- Linking function to cost for optimization

Day 3: Creative and Analytical Phases

- Idea generation techniques brainstorming, innovation tools
- Developing alternative solutions
- Feasibility analysis and evaluation methods
- Risk assessment of alternatives
- Selection of optimal solutions

Day 4: Development and Implementation

- Developing Value Engineering proposals
- Life-cycle cost analysis
- Implementation strategies and stakeholder engagement
- Documentation and reporting of VE studies
- Overcoming resistance to change

Day 5: Integration, Performance Measurement, and Case Studies

- Integrating VE into project management processes
- Monitoring and measuring value improvements
- Performance metrics and KPIs
- Continuous improvement and lessons learned
- Case studies and practical applications

Registration form on the Training Course: Maximizing Project Value: Comprehensive Training in Value Engineering

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