



*Training Course:
Advanced Estimating and Value Engineering
Skills*

*11 - 15 July 2027
Cairo (Egypt)*

Training Course: Advanced Estimating and Value Engineering Skills

Training Course code: EN9403 From: 11 - 15 July 2027 Venue: Cairo (Egypt) - Training Course Fees: 4410 € Euro

Introduction

Accurate cost estimating and effective value engineering are critical to delivering projects within budget while maximizing value and performance. Advanced techniques in estimating and value engineering enable organizations to optimize costs, enhance design efficiency, and improve decision-making across project lifecycles.

This program, designed by Global Horizon Training Center, equips participants with advanced methodologies, analytical tools, and practical skills to develop accurate estimates and apply value engineering principles for cost optimization and value enhancement.

Course Objectives

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

- Apply advanced cost estimating techniques and methodologies
- Develop detailed and reliable project cost estimates
- Analyze cost drivers and optimize project budgets
- Apply value engineering principles to enhance project value
- Conduct functional analysis and cost-benefit evaluation
- Identify cost-saving opportunities without compromising quality
- Integrate estimating and value engineering into project planning
- Improve financial decision-making and project outcomes

Target Audience

This program is designed for:

- Cost Engineers and Estimators
- Project Managers and Project Engineers
- Quantity Surveyors
- Contract and Procurement Professionals
- Financial and Planning Specialists
- Professionals involved in project budgeting and cost control

Outline

Day 1: Advanced Cost Estimating Fundamentals

- Overview of cost estimating principles
- Types of estimates conceptual, detailed, definitive
- Cost breakdown structures CBS
- Data collection and cost databases
- Estimation accuracy and validation

Day 2: Estimating Techniques and Tools

- Parametric and analytical estimating methods
- Bottom-up and top-down approaches
- Use of historical data and benchmarking
- Estimating software and tools
- Risk and contingency estimation

Day 3: Value Engineering Principles and Methodology

- Introduction to value engineering VE
- Functional analysis and value assessment
- Cost vs. value optimization
- VE workshop process and techniques
- Identifying improvement opportunities

Day 4: Integration of Estimating and Value Engineering

- Linking cost estimating with VE processes
- Lifecycle cost analysis
- Design optimization for cost efficiency
- Stakeholder engagement in VE
- Case-based application

Day 5: Optimization, Risk, and Case Studies

- Cost optimization strategies
- Risk analysis and cost control
- Performance monitoring and KPIs
- Lessons learned and best practices
- Case studies and real-world applications

Registration form on the Training Course: Advanced Estimating and Value Engineering Skills

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
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