



Advanced Value Engineering Methods and Step-by-Step Implementation Concepts, Skills, Methods &



6 - 17 October 2024



Cairo (Egypt)

# Advanced Value Engineering Methods and Step-by-Step Implementation Concepts, Skills, Methods & Motivation

course code: P9405 From: 6 - 17 October 2024 Venue: Cairo (Egypt) - InterContinental Cairo Semiram course Fees: 2502 Euro

## Program Overview

In this program you will learn about...

Program Includes: Understanding Value and Costs. Step-by-Step Methodology, Contractual Arrangements, Benefit Sharing, Opportunities Identification and Building a Knowledge Base to Support Value Engineering Initiatives. Incorporating Engineering Value Analysis Methodology.

## Program Content

- The Value Engineering (VE) Concept
- "What is Value for your Organization"
  - Key Strategic Initiatives
  - Internal & External Customer Expectations
- **Understanding Costs and Prices**
- Value Engineering Step-by-Step Methodology that overcomes the Multi-Discipline Roadblocks to Value Engineering, including...
  - Management Commitment
  - Team Selection, Working & Empowerment
  - Identifying the Widest Range of Improvement Opportunities
  - Short-listing, Analysis, Recommendations and Management Approval
  - Implementing VE Opportunity as a Project
  - Objectively Measuring Success
  - Celebration and Getting Ready for the Next VE Initiative
- Value Engineering Domain Knowledge
  - Management
  - Process
  - Technical
- Value Engineering Issues in Various Situations (Some of following Case Studies will be discussed)
  - Project Selection
  - Project Conceptualization
  - Feasibility Study
  - Preliminary Design
  - Detailed Design
  - Construction and Implementation
  - Operation Phase
  - Maintenance
- Motivational Issues for Successful Value Engineering Initiatives. Motivating for Value Engineering - Case Studies we will choose from...
  - Employees
  - Designers
  - Contractors
  - Service Providers
  - Out Sourcing Partners
  - Joint Venture Partners
  - Distributors

- Retailers
- Contractual Conditions in Contracts to Promote Value Engineering
- Some Pro-Active Value Engineering Projects to Implement
- Building Value Engineering Enabling Knowledge Bases
- Workshop & Action Plan: Value Engineering Implementation Strategy for your Organization/Department.

