

# **Value Analysis & Engineering: Maximizing Value, Minimizing Waste**

Project Management  
Dubai (UAE)  
17 - 21 Aug 2025

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## Value Analysis & Engineering: Maximizing Value, Minimizing Waste

**Ref:** 3139\_131473 **Date:** 17 - 21 Aug 2025 **Location:** Dubai (UAE) **Fees:** 3900 **Euro**

### Course Description

This intensive 5-day course provides a comprehensive understanding of Value Analysis VA and Value Engineering VE methodologies. Participants will learn to identify and eliminate unnecessary costs while maintaining or improving product/service quality and performance. The course covers essential techniques for waste reduction, process optimization, and value enhancement across various industries.

### Learning Objectives

- Master the principles and techniques of Value Analysis and Value Engineering
- Develop skills to identify and eliminate non-value-adding activities and costs
- Learn to apply function analysis and FAST diagrams for process improvement
- Gain proficiency in cost reduction strategies without compromising quality
- Understand how to implement VA/VE methodologies in real-world scenarios

### Course Modules

#### Day 1: Introduction to Value Analysis and Value Engineering

- Fundamentals of VA/VE
- Historical development and modern applications
- The VA/VE job plan
- Value concepts and definitions

#### Day 2: Function Analysis and FAST Diagrams

- Identifying and classifying functions
- Function Analysis System Technique FAST
- Creating and interpreting FAST diagrams
- Function-cost analysis

#### Day 3: Creative and Analytical Techniques

- Brainstorming and idea generation
- Evaluation and selection methods
- Cost modeling and life cycle costing
- Risk assessment in VA/VE projects

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

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## **Day 4: Waste Elimination and Process Optimization**

- Identifying and categorizing waste
- Lean principles in VA/VE
- Process mapping and analysis
- Continuous improvement strategies

## **Day 5: Implementation and Case Studies**

- Developing VA/VE proposals
- Implementation planning and change management
- Measuring and reporting VA/VE results
- Real-world case studies and group exercises

## **Practical Wins for Participants**

- Ability to lead VA/VE projects in their organizations
- Techniques to identify and eliminate 15-30% of unnecessary costs
- Skills to enhance product/service value and customer satisfaction
- Strategies for continuous process improvement and waste reduction

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