

Value Analysis & Engineering: Maximizing Value, Minimizing Waste

Project Management
Orlando, Florida (USA)
29 Sep - 03 Oct 2025

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Value Analysis & Engineering: Maximizing Value, Minimizing Waste

Ref: 3139_135537 **Date:** 29 Sep - 03 Oct 2025 **Location:** Orlando, Florida (USA) **Fees:** 5700 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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www.blackbird-training.com



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335