MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

VALUE ENGINEERING & METHODOLOGY

""Maximizing Functionality and Reducing Cost through Systematic Value Optimization""

Schedule

Date	Venue	Fees (Face-to-Face)
03 – 05 Mar 2026	Muscat, Oman	USD 2,495 per delegate
05 – 07 May 2026	Manama, Bahrain	USD 2,495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Value Engineering (VE) is a powerful methodology aimed at improving the value of a product, project, or process by systematically analyzing its functions and costs. Often misunderstood as mere cost-cutting, VE emphasizes innovation, functionality, and stakeholder satisfaction while optimizing resources.

This intensive 3-day training introduces participants to the structured phases of Value Engineering—from information gathering to creative development, evaluation, and implementation. It is suitable for professionals seeking to drive project excellence, reduce waste, and enhance the value proposition of products and systems.

Objectives

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

- Understand the principles and phases of the Value Engineering methodology
- Analyze and define key functions of products, processes, or systems
- Apply creative thinking tools to generate innovative alternatives
- Conduct evaluation and life-cycle cost comparison of VE solutions
- Develop and present VE proposals that meet project and stakeholder goals

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Why Attend

- Move beyond cost reduction to holistic value creation in projects
- Learn a structured methodology that improves decision-making and innovation
- Strengthen team collaboration in design, engineering, and project execution
- Support compliance with VE mandates in public and private sector projects
- Enhance product, process, or project outcomes while controlling costs

Target Audience

This program is designed for:

- Project managers and engineers
- Procurement and cost management professionals
- Design, construction, and quality assurance teams
- Process improvement and product development leads
- Anyone involved in value-focused planning or decision-making

Individual Benefits

Key competencies that will be developed include:

- Function analysis and value optimization techniques
- Brainstorming and creative problem-solving skills
- Cost-benefit and life-cycle cost evaluation
- Presentation and justification of VE proposals
- Team-based decision-making and facilitation skills

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved project value and stakeholder satisfaction
- Reduced unnecessary costs and enhanced ROI
- Better functional alignment with user requirements
- Stronger collaboration across project and design teams
- Compliance with industry and regulatory VE requirements

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – VE phases, tools, and case studies from global projects
- Case Studies – Successful application of VE in construction, manufacturing, and services
- Workshops – Function analysis, creative brainstorming, and proposal writing
- Peer Exchange – Challenges and success factors in VE implementation
- Tools – FAST diagrams, VE scoring templates, cost evaluation models

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Course Outline

Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Break: 01:00 – 02:00

Day 1: Foundations and Function Analysis

- Module 1: Introduction to Value Engineering (07:30 – 09:30) • Origins, principles, and objectives of VE • Value vs. cost and the role of functionality
- Module 2: Information Phase and Function Analysis (09:45 – 11:15) • Defining project scope and collecting relevant data • Function analysis and FAST diagram creation
- Module 3: Workshop – Function Identification Exercise (11:30 – 01:00) • Develop FAST diagrams for a sample system or process

Day 2: Creativity and Evaluation

- Module 4: Creative Phase – Generating Alternatives (07:30 – 09:30) • Brainstorming rules and techniques • Cross-functional collaboration for idea generation
- Module 5: Evaluation Phase – Screening Ideas (09:45 – 11:15) • Criteria development and weighting • Scoring and ranking VE options
- Module 6: Workshop – Evaluation Matrix Application (11:30 – 01:00) • Score and select high-value alternatives

Day 3: Development and Implementation

- Module 7: Development Phase – Building the Proposal (07:30 – 09:30) • Cost analysis, life-cycle cost estimation • Detailing the technical and financial justification
- Module 8: Implementation & Presentation (09:45 – 11:15) • Implementation planning and monitoring • Presenting VE findings to stakeholders
- Module 9: Workshop – VE Proposal Simulation (11:30 – 01:00) • Final group exercise to develop and present a VE plan

Certification

Participants will receive a Certificate of Completion in Value Engineering & Methodology, validating their skills in applying VE to improve performance, reduce cost, and enhance value in projects, products, or services.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**