

## SIX SIGMA TOOLS FOR PROCUREMENT IMPROVEMENT

*"Drive procurement excellence through data-driven Six Sigma tools for process improvement and cost efficiency."*

### Schedule

Date	Venue	Fees (Face-to-Face)
19 - 23 Jul 2026	Kuwait	USD 3,495 per delegate

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

### Introduction

In an increasingly competitive and cost-sensitive environment, procurement must evolve from a transactional function to a strategic value driver. Six Sigma methodology offers powerful tools to enhance procurement performance by minimizing defects, reducing cycle time, and optimizing supplier relationships.

This intensive 5-day course equips procurement and supply chain professionals with the tools, techniques, and analytical frameworks of Six Sigma. Participants will learn to apply DMAIC methodology to identify inefficiencies, analyze root causes, and implement sustainable solutions for procurement excellence.

### Objectives

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

- Understand the principles and applications of Six Sigma in procurement
- Apply the DMAIC (Define, Measure, Analyze, Improve, Control) framework to procurement processes
- Identify and eliminate waste, variability, and inefficiencies in sourcing and purchasing
- Use data-driven decision-making to improve procurement quality and cycle times
- Develop actionable improvement projects to enhance procurement performance
- Build supplier performance monitoring systems using Six Sigma tools

## Why Attend

- Learn to identify and solve procurement challenges using proven Six Sigma methods
- Build a data-driven approach to purchasing, sourcing, and supplier performance
- Improve cost efficiency, compliance, and procurement process visibility
- Gain hands-on experience with real procurement improvement tools
- Prepare to lead or contribute to Six Sigma procurement projects

## Target Audience

This program is designed for:

- Procurement managers and purchasing officers
- Supply chain and sourcing professionals
- Vendor management and contract administration personnel
- Quality and operations improvement professionals
- Logistics and materials management staff
- Individuals involved in procurement transformation or Six Sigma initiatives

## Individual Benefits

Key competencies that will be developed include:

- Understanding of Six Sigma methodology tailored to procurement
- Capability to run procurement process improvement initiatives
- Enhanced data analysis, root cause identification, and risk management
- Confidence in leading quality improvement discussions with suppliers
- Practical knowledge of tools such as Fishbone, SIPOC, Pareto charts, and control charts

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Streamlined procurement cycles and reduced transactional waste
- Enhanced supplier performance through measurable KPIs
- Greater compliance with organizational procurement policies
- Cost reduction and improved supplier quality
- Stronger alignment between procurement and organizational objectives

## Instructional Methodology

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

- Strategy Briefings – Six Sigma fundamentals and procurement optimization strategies
- Case Studies – Real-life procurement challenges and their solutions using Six Sigma
- Workshops – Interactive exercises on process mapping, analysis, and project planning
- Peer Exchange – Group activities and peer feedback on procurement improvement ideas
- Tools – Templates and toolkits for DMAIC, SIPOC, control plans, and defect tracking

## MAWA EVENTS

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

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

---



## Course Outline

### Detailed 5-Day Course Outline

**Training Hours:** 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

#### Day 1: Six Sigma Fundamentals for Procurement

- Module 1: Introduction to Six Sigma and Procurement Excellence (07:30 – 09:30)
  - What is Six Sigma? Principles and benefits
  - The importance of Six Sigma in procurement and sourcing
- Module 2: Procurement Process Mapping and Stakeholder Analysis
  - Mapping current state procurement workflows
  - Identifying key stakeholders and pain points
- Module 3: Project Selection and Charter Development
  - Defining the problem statement and scope
  - Developing a Six Sigma project charter

#### Day 2: Define & Measure Stages

- Module 1: SIPOC Diagrams and VOC (Voice of the Customer)
  - Supplier, Input, Process, Output, Customer (SIPOC) tools
  - Capturing internal and external customer requirements
- Module 2: Metrics and Data Collection
  - Choosing the right metrics (Cycle time, cost, defect rate)
  - Procurement data collection planning and tools
- Module 3: Process Capability and Baseline Performance
  - Assessing current procurement performance
  - Identifying waste and variation

#### Day 3: Analyze Stage - Root Cause Analysis

- Module 1: Root Cause Identification
  - Using Fishbone diagrams, 5 Whys, and brainstorming techniques
- Module 2: Data Analysis and Statistical Tools
  - Pareto analysis, histograms, scatter plots
  - Correlation and trend analysis
- Module 3: Prioritizing Improvement Opportunities
  - Impact vs effort matrix
  - Selecting root causes for improvement

#### Day 4: Improve Stage - Solution Development

- Module 1: Generating Improvement Ideas
  - Creative thinking techniques and benchmarking best practices
- Module 2: Evaluating and Selecting Solutions
  - Decision matrix and risk analysis for procurement strategies
- Module 3: Piloting and Implementing Improvements
  - Developing a pilot plan
  - Supplier collaboration for quality and efficiency improvements

#### Day 5: Control Stage - Sustainability and Monitoring

-

**Module 1: Control Plans and Documentation**

- Creating procurement control plans
- Defining ownership and response plans
- **Module 2: Supplier Performance Monitoring**
- Building scorecards and dashboards
- Long-term monitoring and continuous improvement
- **Module 3: Final Presentations and Action Planning**
- Participant project presentation
- Developing a roadmap for Six Sigma in procurement

**Certification**

Participants will receive a Certificate of Completion in Six Sigma Tools for Procurement Improvement, affirming their practical knowledge of applying Six Sigma methodologies to enhance procurement performance, quality, and strategic impact.

**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**

© Material published by MAWA Events shown here is copyrighted. All rights reserved. Any unauthorized copying, distribution, use, dissemination, downloading, storing (in any medium), transmission, reproduction or reliance in whole or any part of this course outline is prohibited and will constitute an infringement of copyright.