MAWA EVENTS

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

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PVC MANUFACTURING & PROCESS TROUBLESHOOTING

"Optimizing Production and Resolving Operational Challenges in PVC Manufacturing"

Schedule

Date	Venue	Fees (Face-to-Face)
16 – 18 November 2026	Doha, Qatar	USD 2,495 per delegate

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

Introduction

PVC production involves complex chemical and mechanical processes that require precise control to ensure high-quality output. Inefficiencies or process deviations can lead to material defects, operational downtime, and increased costs.

This intensive 3-day course equips participants with comprehensive knowledge of PVC manufacturing processes, common operational issues, and practical troubleshooting techniques. Through case studies, hands-on exercises, and expert guidance, participants will learn to optimize production, improve quality, and resolve process-related challenges effectively.

Objectives

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

- Understand the complete PVC manufacturing process, from polymerization to final product
- Identify key process parameters that influence product quality and efficiency
- Detect and troubleshoot common operational issues in PVC production
- Optimize production workflows to reduce defects and improve yields
- Implement preventive maintenance strategies and process controls
- Apply analytical tools to monitor, evaluate, and improve manufacturing performance

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Why Attend

- Enhance understanding of PVC manufacturing processes
- Improve operational efficiency and product quality
- Gain hands-on experience in troubleshooting and process optimization
- Reduce downtime, waste, and production costs
- Strengthen technical problem-solving skills in industrial settings

Target Audience

This program is designed for:

- Production and process engineers in PVC manufacturing plants
- Plant managers and technical supervisors
- R&D and quality assurance professionals
- Laboratory technicians and maintenance personnel
- Professionals responsible for process optimization and troubleshooting

Individual Benefits

Key competencies that will be developed include:

- Expertise in PVC manufacturing process parameters and controls
- Practical troubleshooting and problem-solving skills
- Ability to optimize production efficiency and product quality
- Knowledge of preventive maintenance strategies
- Analytical skills for evaluating operational performance
- Improved confidence in handling production challenges

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced operational errors and improved product quality
- Enhanced efficiency and optimized PVC manufacturing processes
- Improved resource utilization and cost-effectiveness
- Better process control and risk mitigation strategies
- Strengthened technical capability across production teams

Instructional Methodology

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

- Strategy Briefings – Overview of PVC production processes, key parameters, and troubleshooting principles
- Case Studies – Real-world examples of process issues and solutions
- Workshops – Hands-on exercises in monitoring, troubleshooting, and process optimization
- Peer Exchange – Group discussions on operational challenges and best practices
- Tools – Checklists, troubleshooting guides, and process evaluation templates

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Course Outline

Detailed 3-Day Course Outline

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

Day 1: Introduction to PVC Manufacturing Processes

Module 1: PVC Production Overview (07:30 – 09:30)

- Polymerization processes: suspension, emulsion, bulk
- Overview of PVC grades and applications

Module 2: Process Equipment & Parameters (09:45 – 11:15)

- Reactors, extruders, mixers, and downstream equipment
- Key parameters affecting product quality

Module 3: Material and Quality Considerations (11:30 – 01:00)

- Raw material selection and quality control
- Influence on final product properties

Module 4: Workshop & Practical Exercises (02:00 – 03:30)

- Evaluating process parameters and initial troubleshooting

Day 2: Troubleshooting and Process Optimization

Module 1: Common Production Issues (07:30 – 09:30)

- Process deviations, product defects, and equipment malfunctions

Module 2: Analytical Tools for Troubleshooting (09:45 – 11:15)

- Process monitoring, root cause analysis, and corrective actions

Module 3: Process Optimization Techniques (11:30 – 01:00)

- Improving yield, consistency, and efficiency

Module 4: Case Study Workshop (02:00 – 03:30)

- Hands-on problem-solving and process improvement exercises

Day 3: Quality, Maintenance, and Continuous Improvement

Module 1: Quality Assurance in PVC Production (07:30 – 09:30)

- Ensuring compliance with international standards
- Monitoring mechanical and thermal properties

Module 2: Preventive Maintenance & Risk Mitigation (09:45 – 11:15)

- Maintenance scheduling and operational safety
- Reducing downtime and process disruptions

Module 3: Practical Troubleshooting Exercises (11:30 – 01:00)

- Simulated production issues and corrective solutions

Module 4: Final Review & Action Plan (02:00 – 03:30)

- Consolidating learning outcomes
- Developing strategies for process improvement in the workplace

Certification

Participants will receive a Certificate of Completion in PVC Manufacturing & Process Troubleshooting, validating their expertise in optimizing PVC production processes, troubleshooting operational challenges, and ensuring high-quality product output.

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Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
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In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**