MAWA EVENTS

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

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

WASTEWATER TREATMENT, MANAGEMENT, AND RECYCLING MASTERCLASS

"Transform wastewater challenges into sustainable solutions through advanced treatment and recycling strategies"

Schedule

Date	Venue	Fees (Online)
16 – 17 Nov 2025	Online	USD 700 per delegate

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

Introduction

Effective wastewater treatment and management are critical for environmental sustainability, regulatory compliance, and operational efficiency. This 2-day online masterclass provides participants with in-depth knowledge of modern wastewater treatment technologies, management practices, and recycling solutions. Attendees will gain practical insights into treating wastewater to meet environmental standards while exploring strategies to recycle and reuse water effectively.

The program combines theoretical concepts with practical examples, case studies, and interactive exercises. Participants will learn how to optimize treatment processes, monitor water quality, and implement recycling initiatives, empowering organizations to reduce environmental impact and improve operational sustainability.

Objectives

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

- Understand the principles of wastewater treatment and management.
- Design and optimize wastewater treatment processes.
- Implement water recycling and reuse strategies.
- Monitor and control wastewater quality effectively.
- Ensure compliance with environmental regulations and sustainability standards.

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Why Attend

- Learn advanced wastewater treatment and management techniques.
- Gain practical knowledge on recycling and reuse strategies.
- Enhance operational efficiency while reducing environmental impact.
- Stay updated on regulatory standards and compliance requirements.
- Network with professionals in environmental management and sustainability.

Target Audience

This program is designed for:

- Environmental engineers and specialists.
- Wastewater treatment operators and plant managers.
- Sustainability and compliance officers.
- Environmental consultants and project managers.
- Professionals involved in water management, treatment, and recycling projects.

Individual Benefits

Key competencies that will be developed include:

- Practical understanding of wastewater treatment technologies.
- Skills in water quality monitoring and process optimization.
- Knowledge of recycling and reuse methods.
- Ability to implement sustainable wastewater management strategies.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved wastewater treatment efficiency and compliance.
- Reduced environmental impact and operational risks.
- Implementation of sustainable water recycling programs.
- Enhanced organizational reputation and regulatory adherence.

Instructional Methodology

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

- Strategy Briefings – Principles of wastewater treatment, management, and recycling.
- Case Studies – Real-world examples of successful wastewater management initiatives.
- Workshops – Hands-on exercises in process design, monitoring, and recycling.
- Peer Exchange – Group discussions on challenges, lessons learned, and best practices.
- Tools – Templates, checklists, and guides for wastewater management and recycling implementation.

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Course Outline

Detailed 2-Day Course Outline

Training Hours: 9:00 AM – 5:00 PM Daily Format: 3–4 Learning Modules | Coffee Breaks & Lunch Break included

Day 1: Fundamentals of Wastewater Treatment and Management (09:00 – 04:00)

Module 1: Introduction to Wastewater Treatment (09:00 – 11:00)

- Overview of wastewater types and sources.
- Key treatment technologies and principles.
- Regulatory and environmental compliance standards.

Module 2: Process Design and Optimization (11:15 – 01:00)

- Designing treatment processes for efficiency and compliance.
- Operational monitoring and control techniques.

Module 3: Case Studies and Challenges (02:00 – 04:00)

- Real-world examples of wastewater management successes and failures.
- Group exercises on problem-solving and process optimization.

Day 2: Recycling, Reuse, and Sustainable Practices (09:00 – 04:00)

Module 4: Water Recycling and Reuse (09:00 – 11:00)

- Techniques for water recovery and resource optimization.
- Applications in industrial and municipal contexts.

Module 5: Advanced Treatment and Emerging Technologies (11:15 – 01:00)

- Membrane processes, biological treatment, and chemical methods.
- Innovations in wastewater treatment and management.

Module 6: Action Planning and Best Practices (02:00 – 04:00)

- Developing actionable plans for sustainable wastewater management.
- Review of key concepts, takeaways, and implementation strategies.

Certification

Participants will receive a Certificate of Completion in Wastewater Treatment, Management, and Recycling, validating their expertise in wastewater treatment processes, sustainable management strategies, and recycling practices.

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**

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