MAWA EVENTS

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

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

SURFACE PRODUCTION SYSTEMS – ONSHORE AND PLATFORM APPLICATIONS

"Optimizing oil and gas surface production systems for safe, efficient, and reliable operations."

Schedule

Date	Venue	Fees
12 – 13 Oct 2026	Online	USD 700 per delegate

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

Introduction

Surface production systems are a critical component of oil and gas operations, ensuring safe and efficient separation, processing, and transportation of hydrocarbons from wells to storage or export facilities. Proper design, operation, and maintenance of these systems are essential to minimize production losses, ensure safety, and maintain compliance with industry standards.

This 2-day intensive online training provides participants with a comprehensive understanding of onshore and offshore platform production systems. Through interactive sessions, case studies, and practical exercises, participants will learn how to optimize production equipment, handle process challenges, and ensure reliable system performance.

Objectives

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

- Understand the components and functions of surface production systems.
- Analyze the operation of separators, compressors, pumps, and related equipment.
- Identify operational challenges and troubleshoot system issues.
- Apply best practices for maintenance, safety, and performance optimization.
- Enhance operational efficiency and reliability of production systems.

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Why Attend

- Gain practical knowledge of onshore and platform production systems.
- Improve operational reliability and reduce equipment downtime.
- Learn troubleshooting techniques for common production system issues.
- Enhance safety, compliance, and process efficiency.
- Build professional expertise in surface production operations.

Target Audience

This program is designed for:

- Production, mechanical, and process engineers.
- Operations and maintenance personnel in oil and gas facilities.
- HSE professionals involved in production operations.
- Technical managers and supervisors overseeing production systems.
- Project engineers and commissioning personnel.

Individual Benefits

Key competencies that will be developed include:

- Understanding of production system design and components.
- Ability to analyze operational data and troubleshoot issues.
- Skills in optimizing process performance and equipment reliability.
- Knowledge of safety and regulatory requirements for surface systems.
- Increased confidence in operational decision-making and problem-solving.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced production efficiency and reliability.
- Improved safety and regulatory compliance.
- Reduced operational downtime and production losses.
- Stronger technical capabilities of operations and maintenance teams.
- Optimized resource utilization and system performance.

Instructional Methodology

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

- Strategy Briefings – Overview of surface production systems and their operation.
- Case Studies – Real-world examples of system challenges and solutions.
- Interactive Discussions – Problem-solving exercises for operational issues.
- Practical Exercises – Equipment analysis, troubleshooting, and optimization techniques.
- Tools – Reference guides, maintenance checklists, and process diagrams.

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Course Outline

Detailed 2-Day Course Outline

Training Hours: 9:00 AM – 4:00 PM Daily Format: 3–4 Learning Modules | Coffee breaks as scheduled | Lunch Break: 01:00 – 02:00

Day 1: Fundamentals of Surface Production Systems

Module 1: Introduction to Surface Production Systems (09:00 – 10:30)

- Overview of onshore and platform production systems
- Key components and equipment
- Safety and regulatory considerations

Module 2: Separators, Pumps, and Compressors (10:45 – 12:15)

- Design and operation of separators
- Pumps, compressors, and flow control equipment
- Common operational issues

Module 3: Process Monitoring and Control (01:00 – 02:30)

- Monitoring production parameters
- Control strategies for system optimization
- Data analysis for performance improvement

Module 4: Maintenance and Safety Practices (02:45 – 04:00)

- Preventive maintenance planning
- Safety protocols and hazard mitigation
- Day 1 review and discussion

Day 2: Operational Optimization and Troubleshooting

Module 5: Troubleshooting Production Systems (09:00 – 10:30)

- Identifying system issues and root causes
- Corrective and preventive actions
- Equipment failure analysis

Module 6: Optimization Techniques (10:45 – 12:15)

- Improving efficiency and throughput
- Reducing downtime and losses
- Process optimization strategies

Module 7: Performance Monitoring and Reporting (01:00 – 02:30)

- Key performance indicators for production systems
- Data collection and analysis
- Reporting for management and compliance

Module 8: Case Studies, Best Practices, and Course Review (02:45 – 04:00)

- Real-world examples of production system optimization
- Lessons learned and best practices
- Key takeaways, action planning, and Q&A

Certification

Participants will receive a Certificate of Completion in Surface Production Systems – Onshore and Platform Applications, validating their expertise in managing, optimizing, and troubleshooting surface production systems.

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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**