

# M100 Field Maintenance Course

Consultant / Trainer

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Reliable maintenance performance is not achieved through task execution alone — it requires a clear understanding of equipment behaviour, failure mechanisms, and effective work practices.

The M100 Field Maintenance course develops this capability, equipping maintenance staff and support teams with the knowledge and practical skills required to maintain equipment safely, reliably, and efficiently.

Covering mechanical, instrumentation, and electrical systems, the course builds technical understanding and practical application grounded in real asset conditions and maintenance challenges.

## Participants

This **Petrogenium** course is designed for:

- Field maintenance staff and workshop technicians
- Technical support staff, including operations and logistics
- Early-career personnel (graduates and new joiners)
- Experienced staff preparing for supervisory roles

## Learning Objectives

The **M100** course is designed to:

- Strengthen planning and execution of maintenance work
- Improve field-based problem-solving and diagnostics
- Enhance collaboration with technical support functions
- Build practical skills for workplace application

Around 95% of material relates directly to the participants' facilities; almost nothing is generic.

# Programme

## Knowledge and Understanding

Participants gain practical, in-depth knowledge in:

- Mechanical systems: pumps, compressors, valves, and rotating equipment
- Instrumentation: sensors, transmitters, loops, and calibration methods
- Electrical systems: motors, switchgear, control panels, and basic protection schemes
- Safety: permit-to-work, isolation, and maintenance-related process safety

Course content reflects participants' facilities, ensuring immediate operational benefit.

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## Hybrid Learning Structure

The M100 course follows a structured hybrid learning model:

### 1. Online Registration and Induction

Introductory session to meet facilitators and fellow participants, set expectations, and outline timelines. Course content is aligned to participant roles and operating context.

### 2. Online Assignments

Six targeted assignments over ten weeks, including subject matter expert interviews and structured reflections. Topics are selected based on participant profiles. Each assignment receives individual feedback from the course coordinator.

### 3. Face-to-Face Workshop

A five-day facilitated workshop.

Includes interactive learning sessions, group activities, and candidate teach-backs.

Content delivery is followed by discussions based on candidates' online work, maximising integration of learning into the business.

### 4. Field Impact Project (Optional)

A small, practical improvement project aligned with course themes and approved by the line manager. Typically completed within six months and presented to local management. Ongoing support is provided throughout.

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## Progress Tracking

Full course administration is included in the package and can be tailored to meet specific client requirements. Weekly progress updates are provided, giving your organisation clear visibility into participation, engagement, and overall progress.

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# Programme

## Companion Course

This course complements:

- P100 Field Production Operations Course

Together, these form a structured development pathway from operational roles into broader technical capability across production and maintenance disciplines.

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## Why Send Your Staff on This Course

The M100 Field Maintenance course is designed to strengthen maintenance capability where it matters most – at the front line.

It builds practical knowledge and team behaviours essential for safe, reliable, and efficient operations. Here's what your business gains:

### **Enhance Safety and Reliability:**

Develop a working understanding of equipment condition monitoring, safe work practices, and failure prevention – helping reduce maintenance-related risk and downtime.

### **Maximise Efficiency:**

Apply practical approaches to preventive and predictive maintenance, task planning, and spares management – supporting more stable and cost-effective operations.

### **Bridge Field and Office Roles:**

Enhance communication and shared understanding between field maintenance teams and technical support functions.

### **Build Capability to International Standards:**

Course content reflects widely accepted industry practices and is adapted to the specific context of the participant's facility.

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## Why select Petrogenium.?

The above support will be provided by principal consultants with over 40 years of world-class experience

in the technology and hands-on know-how from operation of complex industrial and production facilities.

## Contact Petrogenium.:

Email: [training@petrogenium.com](mailto:training@petrogenium.com)

Website: <https://www.petrogenium.com/training/>

***Because Experience Matters***