

## When managing real pressure is your job...

MIPC<sup>®</sup> helps experienced engineers stay on top of the latest industry developments and reinforces good practice in primary containment of hazardous substances – including in pressure systems.

Using a blend of live, online classes, one-to-one sessions with expert Tutors, and e-learning, enhanced by a Mentor's support and guidance, EEMUA's Mechanical Integrity Practitioner Certificate course delivers in-depth training to engineers where they work – to give professionals the flexibility to learn on-site, on-call, or working from home.





# EEMUA Mechanical Integrity Practitioner Certificate (MIPC®)

Through short, focused and manageable online training tasks over 27 weeks, the EEMUA MIPC® course provides mechanical integrity practitioners with an enhanced, up-to-date view of mechanical integrity challenges, trends and opportunities. Tailored to each Learner's industry sector and site(s), the MIPC course optimises learning experiences and outcomes by blending: online activities; Tutor and Mentor support; and an enterprise-quality learning platform.

## Relevant

MIPC is built to help deliver the competencies that industry looks for in a mechanical integrity professional. It empowers practitioners to combat the causes of losing primary containment of hazardous substances.

## Certificated

The EEMUA Mechanical Integrity Practitioner Certificate is valid for five years, with EEMUA providing a pathway for recertification at five and ten years. The course is also approved for continuing professional development by the Society of Operations Engineers.

## Practical

MIPC is oriented for practicality – connected to the situations and demands of each engineer's own work whether from their industry sector, company or site(s). MIPC keeps the focus on Learners' day-to-day work and produces improvements along the way.

## Flexible

MIPC is designed to be flexible, fitting around busy professional lives. Learning is conducted online – via short, manageable tasks – and taken at a time and place of the Learner's choosing. The foundation is real mechanical integrity work – using activities that help Learners build their portfolio for assessment.

Flexible online learning, robust assessment, and recognised certification mean that engineers do not have to be off-site for long periods in order to update their skills and prove their competence in safety critical matters.

## Supported

Human interaction and support are at the core of MIPC. Live, online classes deliver real-time interaction for all (and are recorded for replay), and live one-to-one sessions with expert Tutors focus on an individual's needs. A Mentor nominated by the Learner or employer guides the process of professional development.

## Training

Online and competence-based, EEMUA's MIPC training course promotes good practice by setting benchmarks tuned to real world industrial requirements. EEMUA's MIPC training equips mechanical integrity practitioners with up-to-date knowledge tailored to their individual, company, and site needs when working under UK regulations.



Learning materials and assessments have been developed by EEMUA members from many industry sectors and are aligned with UK competency levels: Engineering Technologist (PAS 525 Professional Engineering Competence Level), Incorporated Engineer (UK-SPEC), and Category 2 (UKAS RG2).

EEMUA MIPC is designed to encourage a culture of continuous improvement. It brings to focus the key changes in technologies, expectations and work practices – putting engineers in control and in step with the latest industrial engineering know how, so that they may achieve their full potential as informed professionals.

### **Business Benefits**

MIPC benefits owners and operators with plant containing hazardous substances:

- Tailored to company and site requirements
- Based on EEMUA 231 – an approach supported by the UK safety regulator (the Health and Safety Executive); EEMUA 177 Guide to the UK Pressure Systems Safety Regulations (2000); and the HSE PSSR ACOP (L122)
- Includes EEMUA 232 good practice for working with Third-Party Inspection Bodies
- Effective management of process and plant safety risks
- Flexible and robust online learning delivery, assessment and certification
- Aligned to the leading frameworks of engineering competence
- Reinforces company procedures, instructions and company knowledge
- Encourages a positive safety culture
- Provides wider perspective, leading to informed anticipation and prevention
- Enables better engagement and continuous development of engineering professionals
- Up-to-date with latest developments such as drone and robotic inspection.

### **Strictly for Practitioners**

Learners need 3-5 years' experience and to be actively engaged in a mechanical integrity role such as Corrosion Engineer, Inspection Engineer, Integrity Engineer/Officer, Mechanical Integrity/Asset Integrity Engineer, Operational Safety Engineer/Craftsperson and Plant Inspector.

Developing their existing experience with MIPC training, Learners will build a portfolio of work to submit before the end of the course. A final online assessment completes the process.

**To find out more about the MIPC training course, please contact EEMUA at [online-learning@eemua.org](mailto:online-learning@eemua.org) or telephone +44 (0)20 7488 0801 or visit the EEMUA website [www.eemua.org](http://www.eemua.org)**

# Course content

## Learning Cycles

- LC1 – Legislative Environment, Written Scheme of Examination (WSE)
- LC2 – Equipment Design Elements, Operational Considerations, Risk and As Low As Reasonably Practicable (ALARP)
- LC3 – Asset Condition, User Responsibilities and Competencies
- LC4 – Inspection Process, Inspection and Test Techniques, Inspection Roles
- LC5 – Responses to Findings and Reporting, Postponement, Record Keeping
- LC6 – WSE Review, Audit, Feedback, Industry Good Practice.

## Commitment

A Learner's time commitment over the 27 weeks of the course is estimated to be:

- Induction: 2 hours
- Six Learning Cycles, each taking four weeks, including Live Classes: 102.5 hours
- Portfolio Submission: 2.5 hours
- Final Assessment: 3 hours
- Approximate Total: 110 hours over 27 weeks, equivalent to 4 hours per week.

## Requirements

- Induction and learning aspects of the course are conducted online. Learners need access to a computer with a large screen and broadband internet connection.
- Learners must satisfy entry requirements and nominate a suitable Mentor, and preferably an Observer (both ideally from the Learner's own organisation).
- Learners must abide by the Code of Conduct for the course.
- Learners need proficient written and spoken English, and basic Mathematics.
- The Final Assessment will involve online proctoring either via EEMUA Executive staff or an approved online proctoring service.

## Mentors

- A Mentor's approximate time commitment during the course is estimated to be 6-7 hours.
- For those new to mentoring or needing a refresher, EEMUA provides an induction and ongoing support.

## Tutors and Assessors

- EEMUA provides the MIPC course Tutors and Assessors.

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