



CompEx - MTEEx 01-04 - Maritime Fuel



Course Aim

This course aims to provide technicians or engineers working on ships that operate using gas or low flashpoint fuels, with the awareness and understanding of working with LNG. The qualification covers the information set in the following standards IEC 60079:14, IEC 60079:17, IEC 60092-502 and the IGF Code to assist the delegate in understanding the key protection concepts, regulations, codes, standards, and identify hazards specific to LNG.



Pre-Requisites

- Delegates must be a competent and experienced electrical technician.
- Delegates must be a competent and instrument electrical technician.
- Electrical/instrument engineer with prior practical experience.
- Prior CompEx certification, accompanied by a letter from the delegates employer.



Who Should Attend?

This course is ideal for technicians or engineers working on and are responsible for the maintenance and inspection of electrical systems on ships that operate using gas or low flashpoint fuels like LNG.



Course Duration

This is a 6 day course.



Maximum Delegates

Maximum attendees: 10 delegates.



Certification

Upon successful completion, delegates will receive an international CompEx E-Certificate in Core competency.

This certification is valid for 5 years.





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Agenda

- General principles, sources of ignition and apparatus protection
- Standards, Certification and Ex Marking
- Protection Concepts used in gas and dust
- Area Classification of gas and dust with examples of maritime classification and LPG
- Combined (hybrid) methods of protection in gas and dust zones
- Wiring systems, enclosure entries, cable glanding and earthing to IEC/BS EN60079-14
- Inspection and maintenance to BS EN 60079-17
- Induction to competence validation testing
- Identify the correct regulations, codes and IEC standards which are applicable.
- Identify the correct criteria and descriptors used to classify a hazardous location onboard a vessel.
- Recognise the correct characteristics of common hazardous gases, vapours and dust discussed during the course.
- Understand and recognise the hazards specific to LNG.
- Apply the appropriate protection concepts to equipment selection, installation, maintenance, and inspection.

Assessment:

Includes 2 days of written exams and practical assessment

Delegates will undergo a multiple-choice online assessment and a practical assessment that covers four CompEx units:

- MTEEx01
- MTEEx02
- MTEEx03
- MTEEx04

On The Day

PPE:

To be able to partake, delegates are required to bring the following equipment. Failure to do so will result in being turned away from the course.

- Safety Footwear
- Resistant gloves
- Safety glasses
- Suitable clothing for workshop use (no shorts)