

# CompEx Mechanical Ex11 training course



Ex11 meets the competency requirements for EN 13463 Parts 1, 5 & 6 for personnel working with mechanical equipment. Since the introduction of ATEX (DSEAR), users must identify all possible ignition sources that could arise in hazardous areas. The identification of these ignition sources includes electrical and non-electrical (mechanical) items of equipment. The safety measures for non-electrical equipment used in hazardous areas not only include the design of equipment but also those aspects required for safe selection, installation, maintenance, inspection and repair.

This course determines the core competency of mechanical practitioners. The course consists of a review of CompEx Foundation Model (ExF), a Mechanical Hazardous Area Awareness Course with both written and practical exams. Practical "hands-on" training and assessment takes place in a realistic simulated environment, giving attendees a comprehensive learning experience.

- Review of Ex concepts (ExF)
- Maintaining hazardous area equipment
- Protection concepts
- British, European and IEC standards
- Sources of ignitions
- Essentials of area classification (as part of ExF)
- Terminology
- Hands-on inspection (assessed)

## Course objectives

Upon completion of the CompEx Mechanical Ex11 course, the student will be able to demonstrate installation and inspection skills in hazardous areas.

- Demonstration of ability to identify potential hazards relating to non-electrical equipment
- Identify non-electrical sources of ignition
- Understand basics of Ex markings
- Identify which Ex-marked equipment may be used in which area (non-electrical equipment)

## Learning techniques

In order to provide the highest quality training experience, this course will consist of the following instructional elements:

- **Instructor-led presentation**  
The core elements of skill will be presented and demonstrated in a classroom environment.
- **Lab exercises**  
Practical demonstrations of skill will be accomplished by the student.
- **Final exam**  
The final exam will be administered via an online service. Lab assessments will also be administered.
- **Documentation**  
The client and student will receive an attendance certificate from ATEC. Upon successfully passing the JTL exam, the attendee will receive a certificate that is valid for 5 years.

## Course details

**Course number**  
AH / AS / AD-CMP-211

**Target audience**  
Mechanical personnel, facilities personnel

**Location**  
**Eaton Experience Center**  
3413 N. Sam Houston Parkway West  
Suite 212A  
Houston, TX 77086

**Duration**  
3 days, 8 a.m. to 4 p.m.

**Prerequisites**  
Proof of electrical/mechanical qualification by employer letter.

**Certification issued**  
Certificate of Competence issued by JTL. Valid for 5 years.

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[Eaton.com/EECTraining](http://Eaton.com/EECTraining)