



## Hazardous Area Classification in Oil and Gas Facilities

### MODULE

#### About the Skill Module

Hazardous Area Classification in Oil and Gas Facilities discusses the process of Hazardous Area Classification, where we determine the risk of ignitable atmospheres being present. This skill module is relevant to both North American Standards (NFPA, NEC, CEC) and International Standards (IEC).



[See demo online learning module](#)

This skill module is part of a three-part series that introduces the core principles and concepts used for the installation of electrical equipment in hazardous (explosive) atmospheres.

Division-based Equipment Selection and Installation in Oil and Gas Facilities covers equipment selection and installation practices for the Division method used primarily in North America.

Zone-based Equipment Selection and Installation in Oil and Gas Facilities covers equipment selection and installation practices for the Zone method used internationally (including North America).

### Target Audience

Facilities and Project Engineers as well as newly graduated Electrical, Controls, and Instrument Engineers (0-5 years) with a need to improve basic understanding of instrumentation and control systems within oil and gas facilities.

### You Will Learn

Participants will learn how to:

- Describe the conditions required for an explosion
- Explain the risk that electrical equipment represents in the presence of ignitable atmospheres
- Describe the four elements of safely installing electrical equipment in hazardous areas
- Describe the risk factors we encounter in hazardous locations and protective layers applied
- List the industry standards related to area classification
- Describe the various hazardous substances commonly encountered and their key properties related to hazardous location installations
- Describe the roles and responsibilities for various disciplines related to hazardous area classification, installation, and operations
- Define the terms used in hazard area classifications
- List the considerations that lead to determining area classification
- Describe how area classifications are documented, and how to interpret these documents

### Product Details

Categories: Upstream

Disciplines: Instrumentation, Controls & Electrical

Levels: Basic

Product Type: Individual Skill Module

Format: On-Demand

Duration: 2 hours (approx.)

**\$395.00**

