



Project  
Management  
Vision

## HAZARDOUS AREA CLASSIFICATION & DESIGN

**DURATION:** 5 Days

**PRICE:** \$3,500 GST Exempt

### ASSESSMENT:

In-class progressive assessment, short-answer test papers, classification and design project exercises

### PREREQUISITE COMPETENCIES:

Typically, a student who holds a relevant Engineering Degree, Diploma or Certificate III Electrotechnology may meet the requirements for this course. Please contact us for further information on prerequisite requirements

### COURSE CONTENT

This Hazardous Area Classification & Design course covers the following topics:

- Properties of explosive gases/vapours and combustible dusts
- Hazardous area classification procedures and techniques for gas and vapour installations and for combustible dusts
- Recommended methods for documenting the classification
- Protection techniques
- Equipment selection
- Earthing requirements
- EX i entity calculations
- EX e motor protection and cable derating requirements
- Maximum dissipated power calculations
- General design principles
- Take Home Assignment - HAC Project



Project  
Management  
Vision

Students participate in a range of activities during the training, including some group classification and design work.

This is an advanced course, intended for electrical workers, technicians, engineers and senior engineers involved in area classification for electrical equipment in hazardous areas. Participants will be assessed and have the opportunity to obtain nationally recognised competencies that also meet the requirements of Australian/New Zealand Standard AS/NZS 4761.

Our Hazardous Area Classification & Design Training courses are delivered by qualified, experienced trainers who are all currently practicing as engineers and designers in the electrical and instrumentation industries.

#### AUSTRALIAN UNITS OF COMPETENCY

- UEENEEE115A Develop design briefs for electrotechnology projects or equivalent
- UEENEEE071B Write Specifications For Electrical Engineering Projects or equivalent
- UEENEEM052A Classify Hazardous Areas - Gas Atmospheres
- UEENEEM053A Classify Hazardous Areas - Dust Atmospheres
- UEENEEM054A Plan Electrical Installations in Hazardous Areas - Gas Atmospheres
- UEENEEM055A Plan Electrical Installations in Hazardous Areas - Dust Atmospheres
- UEENEEM057A Design Explosion-Protected Electrical Systems and Installations - Gas Atmospheres
- UEENEEM058A Design Explosion-Protected Electrical Systems and Installations - Dust Atmospheres

#### FOR FURTHER INFORMATION

Contact: [admin@pmv.net.au](mailto:admin@pmv.net.au)

P: 08 9317 2146