Project Management Vision

HAZARDOUS AREA DESIGN

DURATION: 4 Days

PRICE: $2,350 GST Exempt

ASSESSMENT:

In-class progressive assessment, short-answer questions and design 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 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
- 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

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

This is an advanced course, intended for electrical workers, technicians, engineers and senior engineers involved in area installation design 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 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

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

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