

Installation and Maintenance of Electrical Equipment in Hazardous Areas



This course is intended for electrical workers, technicians and engineers involved with installing and maintaining electrical equipment in Hazardous Areas. It covers the principles of Hazardous Area classification, explosion protection techniques, equipment installation requirements, inspections, and procedures for breakdowns and maintenance, with theory and practical components. All Hazardous Area courses are delivered to AS/NZS 4761.

Certification AS/NZS
All students who have completed an Australian Certificate III in Electrotechnology or equivalent qualify for an Australian Statement of Attainment. Those who do not meet this prerequisite qualify for an Australian Statement of Completion.

IECEX
All students qualify for an IECEX Statement of Completion to show that pre-knowledge has been gained for the specified IECEX modules.

Duration 5 Days

Location K2 Velosi
521 Bukit Batok St 23 Unit 05-E
Singapore 659544

IECEX	Unit of Competence
Ex 000	Basic knowledge and awareness to enter a site that includes a classified hazardous area
Ex 001	Apply basic principles of protection in explosive atmospheres
Ex 003	Install explosion protected equipment and wiring systems
Ex 004	Maintain equipment in explosive atmospheres
Ex 006	Test electrical installations in or associated with explosive atmospheres
Ex 007	Perform visual and close inspection of electrical installations in or associated with explosive atmospheres
Ex 008	Perform detailed inspection of electrical installations in or associated with explosive atmospheres

AS/NZS	Unit of Competence
UEENEEM080A	Report on the Integrity of Explosion - Protected Equipment in Hazardous Areas
UEENEEM020A	Attend to Breakdowns in Hazardous Areas – Gas Atmospheres
UEENEEM021A	Attend to Breakdowns in Hazardous Areas – Dust Atmospheres
UEENEEM022A	Attend to Breakdowns in Hazardous Areas – Pressurisation
UEENEEM024A	Install Explosion-Protected Equipment and Wiring Systems – Gas Atmospheres
UEENEEM025A	Install Explosion-Protected Equipment and Wiring Systems – Dust Atmospheres
UEENEEM026A	Install Explosion-Protected Equipment and Wiring Systems – Pressurisation
UEENEEM028A	Maintain Equipment in Hazardous Areas – Gas Atmospheres
UEENEEM029A	Maintain Equipment in Hazardous Areas – Dust Atmospheres
UEENEEM030A	Maintain Equipment in Hazardous Areas – Pressurisation
UEENEEM039A	Conduct Testing of Hazardous Area Installations – Gas Atmospheres
UEENEEM040A	Conduct Testing of Hazardous Area Installations – Dust Atmospheres
UEENEEM041A	Conduct Testing of Hazardous Area Installations – Pressurisation
UEENEEM042A	Conduct Close Visual Inspection of Existing Hazardous Areas Installations
UEENEEM044A	Conduct Detailed Inspections of Hazardous Areas Installations – Gas Atmospheres
UEENEEM045A	Conduct Detailed Inspections of Hazardous Areas Installations – Dust Atmospheres
UEENEEM046A	Conduct Detailed Inspections of Hazardous Areas Installations - Pressurisation