



IECEX CoPC Certification Programme

Competency Certification for Personnel in Hazardous Areas



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About KLAЕ PLT:

KLAЕ PLT is a part of KLAЕ group, accumulatively it has more than 40 years of experience in dealing with installation and product for hazardous and harsh environment.

It has certified professional engineers and technologist with doctorate qualifications and holding professorship.

KLAЕ PLT is remote assesement centre for CoPC in Malaysia.

What is IECEX CoPC?

IECEX CoPC (Certification of Personnel Competence) is an internationally recognized certification scheme that ensures individuals working in hazardous areas are competent and compliant with safety standards. It is part of the IECEX System, managed by the International Electrotechnical Commission (IEC) and administered through IECEX-accredited Certification Bodies (ExCBs).

IECEX CoPC certifies people, not the product or companies. It verifies that an individual has:

The Knowledge, The Skills, The Practical Experience to perform the job

This certification ensures safe operations in explosive atmospheres while reducing operational risks and improving workplace safety.

Training Programme Overview:

- 100% **HRDCorp Claimable** under the SBL-Khas Scheme
- Duration: 1 – 5 Days (Depending on the module selection)
- Mode: Classroom + Practical + Simulation
- Assessment: Theory + Practical
- Outcome: IECEX CoPC Certification

Areas of Competence:

Professionals involved in:

- Plant Design
- Equipment Selection
- Installation
- Inspection & Maintenance
- Repair & Overhaul

Are assessed and certified by independent experts.

Who Needs IECEX CoPC?

- Oil & Gas (upstream, midstream, downstream)
- Petrochemical plants
- Pharmaceuticals
- Any facility with hazardous (Ex) areas
- Mining
- Power generation
- Grain handling
- Chemical processing

Common roles include:

- Electricians
- Instrument technicians
- Maintenance personnel
- Designers and installers of Ex equipment
- Mechanical fitters
- Inspectors
- Engineers
- Supervisors

Key Benefits:

- Reduce risk of accidents
- Ensure compliance with international standards
- Increase client confidence
- Improve competency and credibility

Certification Process:

Step 1: Select competency units, submit application

Step 2: Review & approved by IECEX Certification Body (ExCB)

Step 3: Professional training by KLAЕ PLT

Step 4: Assessment by ExCB

Step 5: Certification awarded



Venue:

KLAЕ PLT, IECEX CoPC Training Centre
No. 53, Jalan Metro 1/1, Bandar Metro Puchong
47160 Puchong, Selangor, Malaysia.

+60 3 8076 7818 training@klae-plt.com

KLAЕ Group for Hazardous and Harsh Environment Business:



www.klaesb.com



www.cmkautomation.com



www.exteamsb.com



www.KLAЕ-PLT.com

Unit of competence	Prerequisite	Unit of competence	Prerequisite
Unit Ex 000 - Basic knowledge and awareness to enter a site which includes a classified hazardous area	none	Unit Ex 006 - Test electrical installations in or associated with explosive atmospheres Competence in conducting testing of general electrical, electronic, instrumentation and/or data communication installations	Unit Ex 001
Unit Ex 001 - Principles of protection in explosive atmospheres knowledge Competence in plant or machinery operation or installations, maintenance or service functions	none	Unit Ex 007 - Perform visual and close inspection of electrical installations in or associated with explosive atmospheres Competence in general electrical installation inspection is an alternative to the specific units	Unit Ex 001
Unit Ex 002 - Perform classification of hazardous areas Competence in gathering and analyzing technical data and using this data for risk assessment	none	Unit Ex 008 - Perform detailed inspection of electrical installations in or associated with explosive atmospheres Competence in general electrical installation inspection is an alternative to the specific units	Unit Ex 001
Unit Ex 003 - Install explosion-protected in explosive atmospheres Competence in maintenance of industrial electrical, electronic, instrumentation and/or data communication equipment and wiring systems	Unit Ex 001	Unit Ex 009 - Design electrical installations in or associated with explosive atmospheres Competence in designing electrical systems and installations	Unit Ex 001
Unit Ex 004 - Maintain equipment in explosive atmospheres Competence in installation of electrical, electronic, instrumentation and/or data communication equipment and wiring systems	Unit Ex 001	Unit Ex 010 - Perform audit inspection of electrical installations in or associated with explosive atmospheres	Unit Ex 002, 008 and 009
Unit Ex 005 - Overhaul and repair of explosion-protected equipment Competence in overhaul and repair of industrial electrical/electronic equipment	none	Unit Ex 011 - Basic knowledge of the safety of hydrogen systems	none
		Refresher - Refresher on Installation, Maintenance, Testing & Inspection of Electrical Equipment in Hazardous Areas (Ex 001, 003, 004, 006, 007 & 008)	Unit Ex 001, 003, 004, 006, 007 & 008

IECEX CoPC Training & Certification Program Packages

- **IECEX Unit Ex000**
Duration: 1.5 days
- **IECEX Unit Ex001**
Duration: 3 days
- **IECEX Unit Ex001 & Ex002**
Duration: 5 days
- **IECEX Unit Ex001 & Ex003**
Duration: 4 days
- **IECEX Unit Ex001, Ex003 & Ex004**
Duration: 4 days
- **IECEX Unit Ex001 & Ex004**
Duration: 4 days
- **IECEX Unit Ex001 & Ex005**
Duration: 5 days
- **IECEX Unit Ex001 & Ex006**
Duration: 4 days
- **IECEX Unit Ex001, Ex007 & Ex008**
Duration: 5 days
- **IECEX Unit Ex001 & Ex009**
Duration: 5 days
- **IECEX Unit Ex001 & Ex010**
Duration: 3 days
- **IECEX Unit Ex011**
Duration: 4 days
- **Prerequisite (Minimum Required Competency Units)**
Ex Installer: Ex001 & Ex003
Ex Maintenance: Ex001 & Ex004
Ex Inspector: Ex001, Ex007 & Ex008

NOT SURE WHICH IECEX UNIT TO CHOOSE?

Tell us your role and experience. We'll help you find the right pathway.



SCAN TO FIND OUT MORE