COURSE OVERVIEW EE0434-2D
Certified 11KV Electrical Safety

Course Title
Certified 11KV Electrical Safety

Course Date/Venue
September 08-09, 2025/Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Course Reference
EE0434-2D

Course Duration/Credits
Two days/1.2 CEUs/12 PDHs

Course Description

This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed in order to certify participants on 11KV safety rules and regulations. It covers electrical networks, arc and its energy, voltage, surface, causes of burns and death for 11KV. The course will discuss 11KV safety equipment and safety procedures, as well as grounding, bonding, electrical maintenance and its relationship to 11KV system. Regulatory and legal safety requirements, accident prevention, rescue, first aid, medical aspects of 11kV trauma, human factors and safety management in 11KV networks will be illustrated during the course.

Further, the course will discuss the arc and its energy as well as voltage, surface and burns; the causes of burns and deaths from 11KV; and the 11KV safety equipment and perform safety procedures and methods in a safely manner.

During this interactive course, participants will learn to identify grounding and bonding in 11KV system; recognize electrical maintenance and its relationship to 11KV system; review regulatory and legal safety requirements and apply accident prevention, rescue and first aid; and determine medical aspects of 11KV trauma, human factors in 11KV networks safety and 11KV networks safety management.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Get certified on 11KV electrical safety
- Discuss arc and its energy as well as voltage, surface and burns
- Identify causes of burns and deaths from 11KV
- Employ 11KV safety equipment and perform safety procedures and methods in a safely manner
- Identify grounding and bonding in 11KV system
- Recognize electrical maintenance and its relationship to 11KV system
- Review regulatory and legal safety requirements and apply accident prevention, rescue and first aid
- Determine medical aspects of 11KV trauma, human factors in 11KV networks safety and 11KV networks safety management

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials, sample video clips of the instructor's actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of high voltage testing (11KV) for electrical engineers, industrial and utility engineers and electricity distribution technicians (ED filter - junior staff). Supervisors or managers concerned with the safety of electrical workers will find this course especially useful in providing an insight into electrical safety.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Certificate(s)

(1) Internationally recognized Wall Competency Certificates and Plastic Wallet Card Certificates will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Successful candidate will be certified to work on 11 KV electrical power systems. Certificates are valid for 5 years.

Recertification is FOC for a Lifetime.

Sample of Certificates

The following are samples of the certificates that will be awarded to course participants:-

Haward Technology Middle East

Certificate of Competency

Qatar General Electricity & Water Corporation

This is to certify that

Mr. Hamdy Al Habshi

of

Qatar General Electricity & Water Corporation (KAHRAMAA)

has successfully completed a Course on

High Voltage Testing (11KV)

and is hereby awarded 2.75 CEUs (Continuing Education Units) equivalent to 27.5 PDHs (Professional Development Hours) for completing **27.5** contact hours, during **August 20-24, 2017;** having successfully satisfied the learning requirements of the programme; and having passed the competency exam, thereby demonstrating competence to the approval of the Course Instructor.

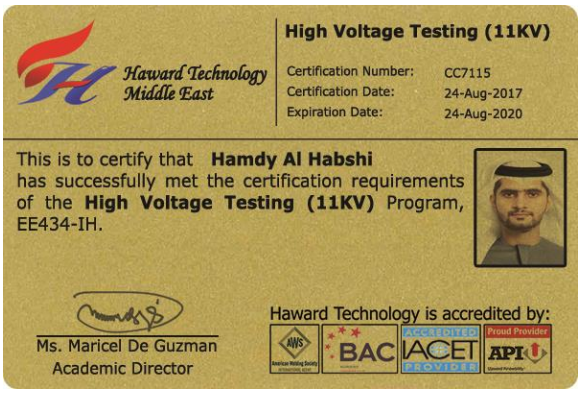
Certificate Number : CC7115/01/EE434-IH/DOH/24.08.17
Date of Issuance : 24th August 2017
Date of Expiration : 24th August 2020

2.75 CEUs (27.5 PDHs) AWARD

Mr. Moussa Eladjaoui
Course Instructor
ACTVET License No.
0588/2013

ACCREDITED IACET PROVIDER

Ms. Maricel De Guzman
Academic Director
Certificate Accreditation
Please see overleaf



Haward Technology Middle East

High Voltage Testing (11KV)

Certification Number: CC7115
Certification Date: 24-Aug-2017
Expiration Date: 24-Aug-2020

This is to certify that **Hamdy Al Habshi** has successfully met the certification requirements of the **High Voltage Testing (11KV)** Program, EE434-IH.

Ms. Maricel De Guzman
Academic Director

Haward Technology is accredited by:

Haward Technology Middle East

P.O. Box 26070
Abu Dhabi, UAE
Tel: +971 2 30 91 714
Fax: +971 2 30 91 716
http://www.haward.org

CC7115

High Voltage Testing (11KV)

Certification Program

This program is designed to assist companies in identifying professionals who have satisfied the minimum competencies specified in EE434-IH.

Haward Technology does not warrant or guarantee the performance of any professional certified under this program.

Haward Technology is accredited by:

(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

Haward Technology Middle East

Continuing Professional Development (HTME-CPD)

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CEU Official Transcript of Records

TOR Issuance Date: 24-Aug-17

HTME No. PAR11317

Participant Name: Hamdy Al Habshi

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
EE434-IH	**High Voltage Testing (11KV)**	August 20-24, 2017	27.5	2.75

Total No. of CEU's Earned as of TOR Issuance Date **2.75**

TRUE COPY

Maricel De Guzman
Academic Director

Haward Technology has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 Standard which is widely recognized as the standard of good practice internationally. As a result of their Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET 1-2013 Standard.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking Continuing Education Units (CEUs) in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology is accredited by

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Certificate Accreditations

Certificates are accredited by the following international accreditation organizations: -

- The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **1.2 CEUs** (Continuing Education Units) or **12 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

- British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Course Fee

US$ 2,750 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Mr. Ahmed Abozeid is a **Senior Electrical & Instrumentation Engineer** with over **30 years** of **Onshore** & **Offshore** experience within the **Oil** & **Gas** and **Power** industries. His wide expertise covers **HV Cable** Design, **Cable** Splicing & Termination, **Cable** Jointing Techniques, **High Voltage** Electrical Safety, **HV/MV Cable Splicing**, **High Voltage Circuit Breaker** Inspection & Repair, **High Voltage Power System** Safe Operation, High Voltage Safety, **High Voltage Transformers**, Safe Operation of **High Voltage & Low Voltage Power Systems**, **Electric Distribution System Equipment**, **ABB 11KV Distribution Switchgear**, **Rotork Operation & Maintenance**, **Power System Protection and Relaying**, **Electrical Motors & Variable Speed Drives**, **Motor** Speed Control, Power Electronic Converters, Control Valve, **Flowmetering & Custody Transfer**, **Meters Calibration**, Installation & Inspection, **Crude Metering & Measurement Systems**, **Flow Meter Maintenance Troubleshooting**, AC Converters Section, Electromagnetic Compatibility (**EMC**), **Motor** Failure Analysis & Testing, **Machinery** Fault Diagnosis, **Bearing** Failure Analysis **Process Control & Instrumentation**, **Process Control Measurements**, **Control System Commissioning & Start-Up**, **Control System & Monitoring**, **Power Station Control System**, **Instrumentation Devices**, **Process Control & Automation**, **PID Controller**, Distributed Control Systems (**DCS**), Programmable Logic Controllers (**PLC**), **ABB PLC & DCS System**, **Gas Analyzers**, **Simulation Testing**, **Load Flow**, **Short Circuit**, **Smart Grid**, **Vibration Sensors**, **Cable Installation & Commissioning**, **Calibration Commissioning** and **Site Filter Controller**. Further, he is also well-versed in **Fundamentals of Electricity**, **Electrical Standards**, **Electrical Power**, **PLC**, **Electrical Wiring**, Machines, **Transformers**, **Motors**, **Power Stations**, **Electro-Mechanical Systems**, **Automation & Control Systems**, **Voltage Distribution**, **Power Distribution**, **Filters**, **Automation System**, **Electrical Variable Speed Drives**, **Power Systems**, **Power Generation**, **Power Transformers**, **Diesel Generators**, **Power Stations**, **Uninterruptible Power Systems** (**UPS**), **Battery Chargers** and **AC** & **DC Transmission**. He is currently the **Project Manager** wherein he manages, plans and implements projects across different lines of business.

Mr. Ahmed worked as the **Electrical Manager**, **Electrical Power & Machine Expert**, **Electrical Process Leader**, **Team Leader**, **Electrical Team Leader**, **Technical Instructor**, and **Instructor/Trainer** from various companies such as the Lafarge Nigeria, Egyptian Cement Company, ECC Training Center, Alrajhi Construction & Building Company and Ameria Cement Company, just to name a few.

Mr. Ahmed has a **Bachelor's** degree in **Electrical Engineering**. Further, he is a **Certified Instructor/Trainer, Certified TQUK Level 3 Vocational Achievement (RQF) Assessor** and has delivered numerous trainings, seminars, courses, workshops and conferences internationally.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1: ***Monday, 08th of September 2025***

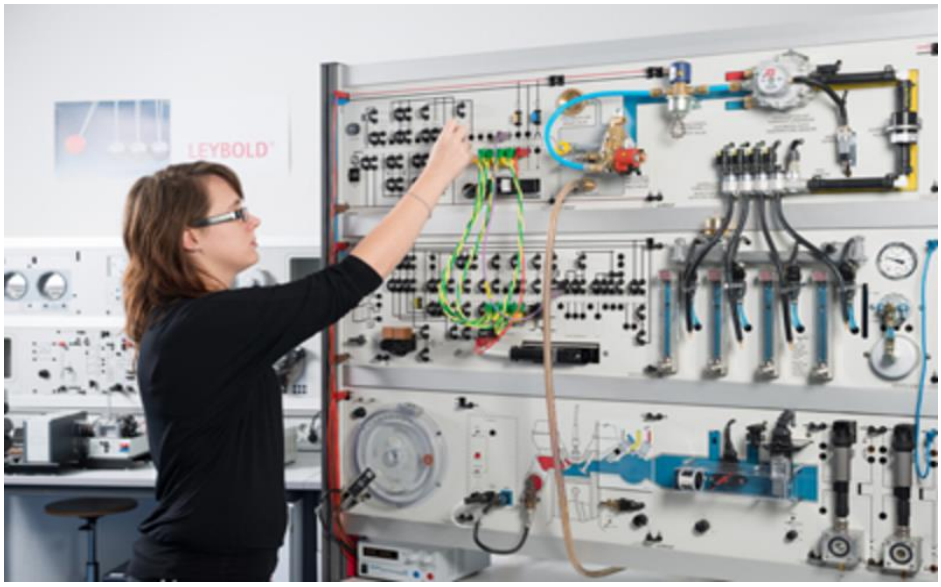
0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0900	***Get to Know Your Network***
0900 – 0930	***Arc & Its Energy, Voltage, Surface & Burns***
0930 - 0945	*Break*
0945 – 1100	***Causes of Burns & Deaths from 11KV***
1100 – 1215	***11KV Safety Equipment***
1215 – 1230	*Break*
1230 – 1330	***11KV Safety Procedures & Methods***
1330 - 1420	***Grounding & Bonding in 11KV System***
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2: ***Tuesday, 09th of September 2025***

0730 – 0800	***Electrical Maintenance & Its Relationship to 11KV System***
0800 – 0830	***Regulatory & Legal Safety Requirements***
0830 - 0930	***11KV Accident Prevention, Rescue & First Aid***
0930 – 0945	*Break*
0945 – 1030	***Medical Aspects of 11KV Trauma***
1030 – 1215	***Human Factors in 11KV Networks Safety***
1215 – 1230	*Break*
1230 – 1300	***Safety Management in 11KV Networks***
1300 – 1315	***Course Conclusion***
1315 – 1415	***COMPETENCY EXAM***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises: -



Course Coordinator

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org