

## COURSE OVERVIEW EE0434-2D Certified 11KV Electrical Safety

### Course Title

Certified 11KV Electrical Safety

### Course Date/Venue

April 13-14, 2025/Slaysel 02 Meeting Room,  
Movenpick Hotel & Resort Al Bida'a Kuwait, City of  
Kuwait

### 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 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.

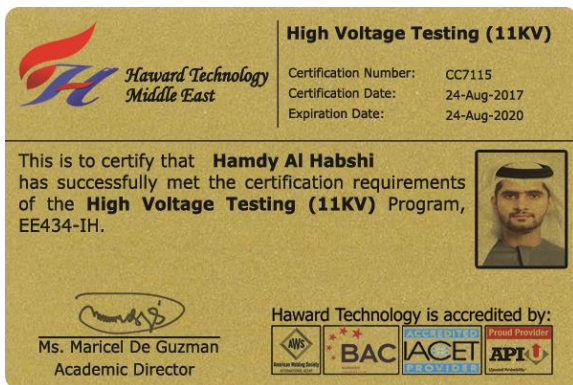
### Course Certificate(s)

(1) Internationally recognized 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:-



- (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 \* CEUs \* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \*



**Haward Technology Middle East**

Continuing Professional Development (HTME-CPD)

**CEUs**

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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
<b>Total No. of CEU's Earned as of TOR Issuance Date</b>				<b>2.75</b>

**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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\* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \*

## Certificate Accreditations

Certificates are accredited by the following international accreditation organizations: -

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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.

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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.

## Course Fee

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

## Accommodation

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



### 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.

### **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: Sunday 13<sup>th</sup> of April 2025**

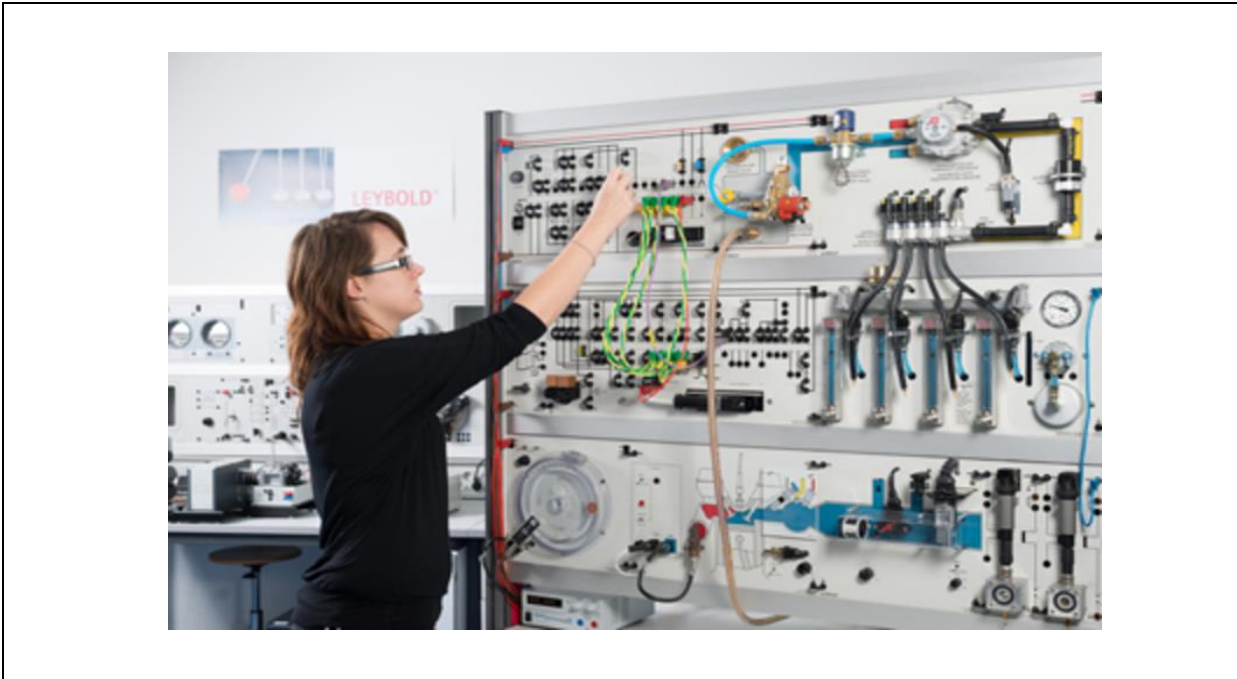
0730 - 0800	<i>Registration &amp; Coffee</i>
0800 - 0815	<i>Welcome &amp; Introduction</i>
0815 - 0830	<b>PRE-TEST</b>
0830 - 0900	<b><i>Get to Know Your Network</i></b>
0900 - 0930	<b><i>Arc &amp; Its Energy, Voltage, Surface &amp; Burns</i></b>
0930 - 0945	<i>Break</i>
0945 - 1100	<b><i>Causes of Burns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

#### **Day 2: Monday 14<sup>th</sup> of April 2025**

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

### 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](mailto:mari1@haward.org)