COURSE OVERVIEW FE0099
Train-The-Trainer for Welding

Course Title
Train-The-Trainer for Welding

Course Date/Venue
January 12-16, 2025/TBA Meeting Room, The H Dubai Hotel, Sheikh Zayed Road, Dubai, UAE

Course Reference
FE0099

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description

This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt in the class will be applied using the following practical methods: -

(**1**) **Industrial Facility Visit:** Course participants will be taken to an industrial facility where they will practice welding, fabrication and inspection. In case that this course is organized inside client premises (In-House), then client shall provide access to its welding and fabrication workshop for practical sessions.

(**2**) **Welding Simulator:** Participants will use in the class the welding & fabrication software and AWS Tool Kit & Structural Weld Replica Kit to practice some of the skills learnt.

This course is designed to provide participants with a detailed and up-to-date overview of Train-The-Trainer for Welding. It covers the trainer role in welding and the responsibilities and impact on trainee development; exploring how adults learn, motivate and engage for practical skills training; the communication skills for effective training, assessing trainee skill levels and identifying individual needs; integrating and teaching essential safety procedures for trainers and trainees; planning and structuring training sessions; and the welding processes and techniques for core welding skills from joint preparation to equipment handling.

Further, the course will also discuss the common welding defects and teaching quality control practices; the welding inspection techniques for trainers; mentoring and providing constructive feedback; teaching advanced welding techniques and using visual aids, models and hands-on demonstrations to enhance trainee comprehension; reading and interpreting welding symbols and blueprints accurately; assessing performance and adjusting instruction based on trainee progress; developing proper documentation of trainee progress, skill gaps and overall session effectiveness; and the effective presentation skills for technical content.

During this interactive course, participants will learn how to teach trainers to guide trainees in identifying and solving common welding issues; engaging different learning styles in welding, managing difficult trainees and addressing safety concerns; designing training modules and adapting content for different welding skills and levels; creating and conducting trainee assessments as well as evaluating and analyzing training effectiveness; collecting and using trainee feedback for continuous improvement of training quality; and exploring resources and development opportunities for staying updated on welding practices.

Course Objectives

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

- Get certified as a *"Certified Trainer"*
- Discuss the trainer role in welding and the responsibilities and impact on trainee development
- Explore how adults learn, motivate and engage for practical skills training
- Apply communication skills for effective training, assess trainee skill levels and identify individual needs
- Integrate and teach essential safety procedures for trainers and trainees as well as plan and structure training sessions
- Illustrate welding processes and techniques for introducing core welding skills from joint preparation to equipment handling
- Identify common welding defects and teach quality control practices and carryout welding inspection techniques for trainers
- Mentor and provide constructive feedback, teach advanced welding techniques and use visual aids, models and hands-on demonstrations to enhance trainee comprehension
- Read and interpret welding symbols and blueprints accurately, assess performance and adjust instruction based on trainee progress
- Develop proper documentation of trainee progress, skill gaps and overall session effectiveness
- Employ effective presentation skills for technical content as well as teach trainers to guide trainees in identifying and solving common welding issues
- Engage different learning styles in welding, manage difficult trainees and address safety concerns

- Design training modules and adapt content for different welding skills and levels
- Create and conduct trainee assessments as well as evaluate and analyze training effectiveness
- Collect and use trainee feedback for continuous improvement of training quality and explore resources and development opportunities for staying updated on welding practices

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 train the trainer for welding for senior training supervisors, welding engineers, journeyman welders, welding apprentices, welding specialists, welder-fabricators, and other experienced welders.

Exam Eligibility & Structure

Exam Candidates shall have the following minimum prerequisites:-

A. Option-1: Degree Holders

(a) a degree from a recognized university in any subject;
(b) Minimum 5-years proven experience in the subject matter certified by employers **or** holder of Minimum **30 CEUs** accredited by **IACET**.

B. Option-2: Diploma Holders

(a) a 2-year diploma from a recognized college in any subject;
(b) Minimum 10-years proven experience in subject matter certified by employers **or** holder of Minimum **60 CEUs** accredited by **IACET**.

C. Option-3: Experienced Individuals

(a) Minimum of 15-years proven experience in subject matter certified by employers **or** minimum of 10-years proven experience in subject matter and **30 CEUs** accredited by **IACET**.

Course Fee

US$ 5,500 per Delegate **+ VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day

Each participant will receive a complete master Training Kit that includes soft copies of the training program (Instructor Power point slides, Student textbook, videos etc.). Participants can use this master Training Kit to deliver courses to their students. This Kit is licensed for 1 year.

Course Certificate(s)

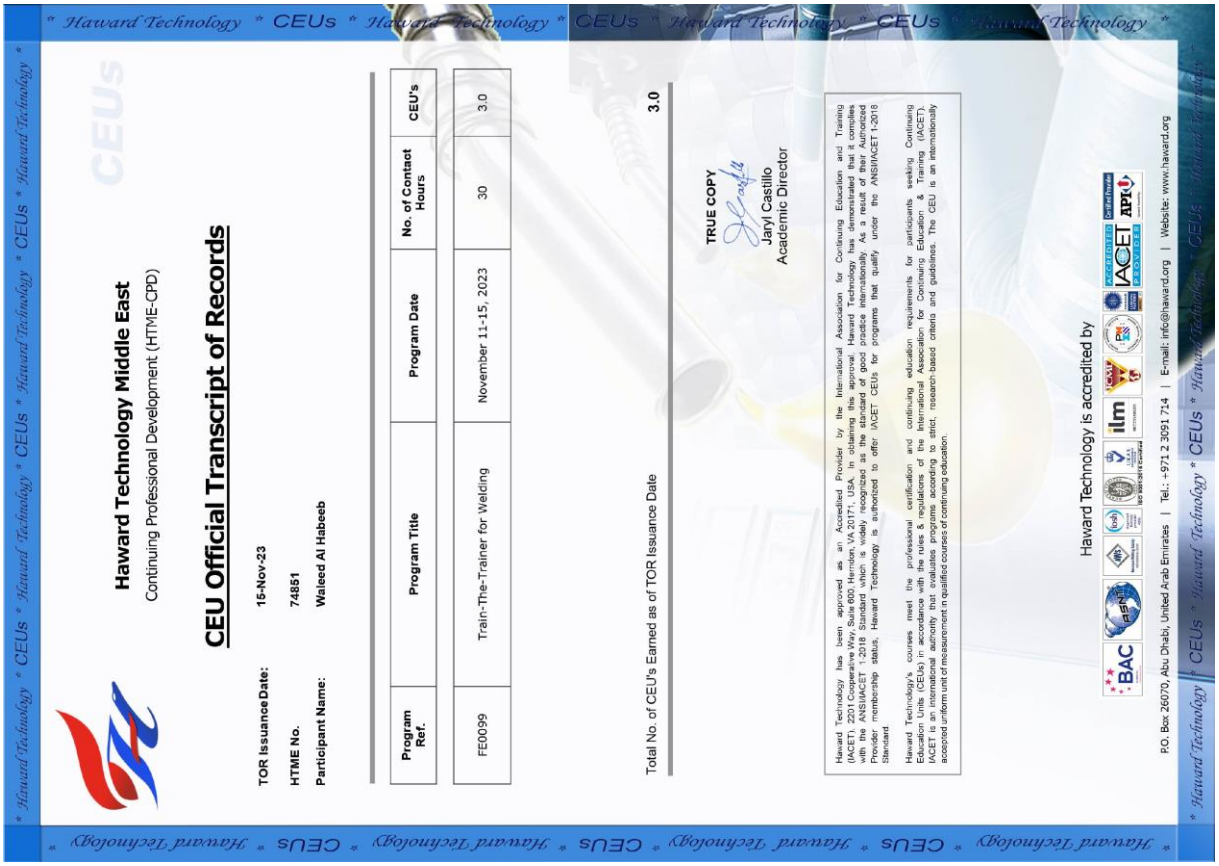
(1) Internationally recognized Competency Certificates and Plastic Wallet Cards will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Successful candidate will be certified as a "*Certified Trainer*". Certificates 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 Middle East
Continuing Professional Development (HTME-CPD)

CEU Official Transcript of Records

TOR Issuance Date: 15-Nov-23
HTME No. 74851
Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
FE0099	Train-The-Trainer for Welding	November 11-15, 2023	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date 3.0

TRUE COPY
Jaryl Castillo
Academic Director

Haward Technology has been approved as an Accredited Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this approval Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2018 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 1-2018 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

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | E-mail: info@haward.org | Website: www.haward.org

HT-CIP® Stamp

Each successful candidate will be given a unique instructor number and a self-inking stamp valid for 5 years. Instructor's name and Haward Technology Certified Instructor Number will appear in the stamp as per the following sample:-

In order to maintain this certification, Certified Instructors must fulfil the quality requirements by Haward Technology as stated in Haward Quality Document number QAD 872 (System for the Assessment & Certification for Instructors & Trainers).

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 **3.0 CEUs** (Continuing Education Units) or **30 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.

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 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. George Poulos MBA, MSc, BSc, CEng, is a **Senior Corrosion & Welding Engineer** with over **45 years** of extensive experience within the **Oil & Gas**, **Petrochemical, Refinery**, **Construction**, **Aircraft & Shipbuilding** Industry. His wide experiences covers in the areas of **Welding** & **Cutting**, **Welding** Inspection, **Welding** & **Machine** Techniques, **TIG** & **Arc Welding**, **Shielded Metal Arc Welding**, **Gas Tungsten** & **Gas Metal Arc Welding**, **Welding** Procedure Specifications & Qualifications, **Aluminium Welding**, **Hot & Cold Tapping** Techniques, **Hot Work-Safety**, **SMAW**, **GTAW**, **Welding** Techniques, **Pipeline Welding** Practices, **Welding** Engineering, **Welding** Fatigue & Fracture Mechanics, **Welding Inspection Technology**, **Welding Safety**, **Welding** Defects Analysis, **Welding Technology**, **Welding Problems**, **Welding & Non Destructive** Testing, **Metallurgy Techniques**, **Metallurgical** Failure Analysis & Prevention, **Corrosion** Fabrication & Inspection, **Fabrication** & **Repair**, **Corrosion** Prevention, **Corrosion** Engineering, **Oilfield Corrosion Monitoring & Control**, **Corrosion Inhibition**, **Corrosion** Management in Process Operations, **Corrosion** & Prevention of Failures, **Material** Selection, **Cathodic Protection** Systems. Further, he is also well-versed in **Hot Rolling** Process, **Hot Strip Mill**, **Mill** Operations, **Roll Mill**, **Steel Making** Process, **Steel** Manufacturing, **Electric Arc Furnace** (**EAF**), **Steel Forging**, **Steel** Manufacturing & Process Troubleshooting, **Slit Rolling**, **Carbon Steel Pipe** Wall Thickness & Grade Selection, **Ferro-Alloys**, **Steel Metallurgy**, **Steel** Structure Welding, **Steelmaking** Slag, **Steel** Making Application, **Heat Treatment** & **Prevention Techniques**, **Corrosion** Fabrication & Inspection and **Post Weld Heat Treatment**.

During his career life, Mr. Poulos has gained his practical and field experience through his various significant positions and dedication as the **Chief Executive**, **Head of Technical Studies**, **Manager**, **Senior Consultant**, **Lead Welding Engineer**, **Senior Welding Engineer**, **Design Engineer**, **Sales Engineer**, **Author**, **Welding Instructor**, **Visiting Lecturer** and **Technical Proposal Research Evaluator** from various international companies such as Greek Welding Institute, Hellenic Quality Forum and International Construction Companies such as Shipbuilding, Aircraft Industry and Oil and Gas Industry.

Mr. Poulos is a **Registered Chartered Engineer** and has a **Master's** degree in **Naval Architecture**, a **Bachelor's** degree in **Welding Engineering** and a Master of Business Administration (**MBA**) from the **Sunderland University**, **Aston University** and **Open University**, **UK**, respectively. Further, he is a **Certified Trainer/Instructor**, an active Member of Chartered Quality Institute (**CQI**), The British Welding Institute (**TWI**), The Royal Institution of Naval Architects (**RINA**) and American Welding Society (**AWS**), a Registered **EWF/IW** (European Welding Federation-International Welding Institute W/E) and an **IRCA** Accredited External Quality Systems Auditor through BVQI. He is an **Author** of Technical Book dealing with Protection/Health/Safety in the Welding/Cutting domain and delivered various trainings, seminars, conferences, workshops and courses globally.

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: ***Sunday, 12th of January 2025***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to the Trainer Role in Welding:*** *Understanding Responsibilities & Impact on Trainee Development*
0930 – 0945	*Break*
0945 – 1045	***Adult Learning Theory & Training Strategies:*** *Exploring How Adults Learn, Motivation & Engagement Strategies for Practical Skills Training*
1045 – 1145	***Communication Skills for Effective Training:*** *Building Clear & Impactful Communication; Adapting to Diverse Trainee Needs*
1145 – 1230	***Training Needs Assessment for Welding Skills:*** *Assessing Trainee Skill Levels & Identifying Individual Needs*
1230 – 1245	*Break*
1245 – 1330	***Safety Protocols in Welding Training:*** *Integrating & Teaching Essential Safety Procedures for Trainers & Trainees*
1330 – 1420	***Planning & Structuring Training Sessions:*** *Organizing Content & Methods for Optimal Trainee Understanding & Retention*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2: ***Monday, 13th of January 2025***

0730 – 0830	***Overview of Welding Processes:*** *Understanding Different Welding Techniques (SMAW, GMAW, GTAW) & their Applications*
0830 – 0930	***Demonstrating Welding Basics to Trainees:*** *Techniques for Introducing Core Welding Skills, from Joint Preparation to Equipment Handling*
0930 – 0945	*Break*
0945 – 1100	***Hands-on Workshop: Welding Demonstrations:*** *Practice Demonstrations for Basic Welding Techniques to Build Trainer Confidence*
1100 – 1230	***Welding Defects & Quality Control:*** *Identifying Common Welding Defects & Teaching Quality Control Practices*
1230 – 1245	*Break*
1245 – 1330	***Welding Inspection Techniques for Trainers:*** *Training on Inspection Standards & Teaching Methods for Quality Assessment*
1330 – 1420	***Mentoring & Providing Constructive Feedback:*** *Developing Feedback Skills for Guiding Trainees Effectively & Positively*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3:	Tuesday, 14th of January 2025
0730 – 0830	***Teaching Advanced Welding Techniques:*** *Strategies for Explaining Advanced Methods (e.g. Multi-Pass Welding, Out-of-Position Welding)*
0830 – 0930	***Practical Workshop: Advanced Welding Applications:*** *Hands-on Practice for Demonstrating Advanced Techniques & Troubleshooting with Trainees*
0930 – 0945	*Break*
0945 – 1100	***Visual & Hands-on Teaching Techniques:*** *Using Visual Aids, Models & Hands-on Demonstrations to Enhance Trainee Comprehension*
1100 – 1230	***Welding Symbols & Blueprint Reading for Trainers:*** *Teaching How to Read & Interpret Welding Symbols & Blueprints Accurately*
1230 – 1245	*Break*
1245 – 1330	***Assessing Trainee Skill Levels in Real-Time:*** *Techniques for Assessing Performance & Adjusting Instruction Based on Trainee Progress*
1330 – 1420	***Documentation & Reporting of Training Sessions:*** *Proper Documentation of Trainee Progress, Skill Gaps & Overall Session Effectiveness*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4:	Wednesday, 15th of January 2025
0730 – 0830	***Effective Presentation Skills for Technical Content:*** *Building Skills to Present Technical Welding Concepts Clearly & Effectively*
0830 – 0930	***Troubleshooting Welding Problems:*** *Teaching Trainers to Guide Trainees in Identifying & Solving Common Welding Issues*
0930 – 0945	*Break*
0945 – 1100	***Engaging Different Learning Styles in Welding:*** *Strategies for Tailoring Training to Various Learning Preferences & Skill Levels*
1100 – 1230	***Role-Playing Training Scenarios:*** *Practicing Challenging Scenarios like Managing Difficult Trainees & Addressing Safety Concerns*
1230 – 1245	*Break*
1245 – 1330	***Workshop: Handling Trainee Errors & Providing Real-Time Coaching:*** *Practicing Real-Time Coaching Techniques for Immediate & Constructive Feedback*
1330 – 1420	***Developing Custom Training Modules:*** *Designing Training Modules & Adapting Content for Different Welding Skills & Levels*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

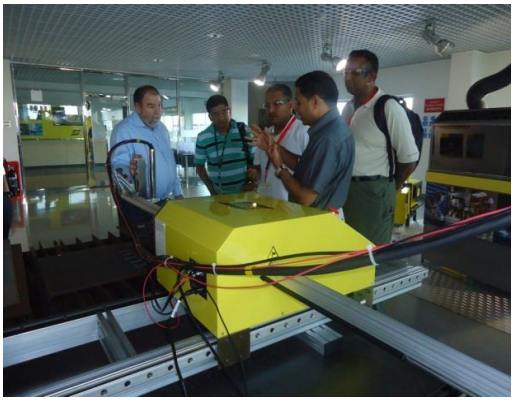
Day 5:	Thursday, 16th of January 2025
0730 – 0830	***Creating & Conducting Trainee Assessments:*** *Designing Written & Practical Exams to Assess Trainee Proficiency in Welding Skills*
0830 – 0930	***Evaluating & Analyzing Training Effectiveness:*** *Reviewing Methods for Evaluating Training Outcomes & Adjusting Content as Needed*
0930 – 0945	*Break*
0945 – 1100	***Final Assessment: Practical & Theoretical Evaluation of Trainer Skills:*** *Trainers Demonstrate their Skills through a Practical & Theoretical Assessment*
1100 – 1215	***Reviewing Feedback Mechanisms for Continuous Improvement:*** *Collecting & Using Trainee Feedback for Continuous Improvement of Training Quality*

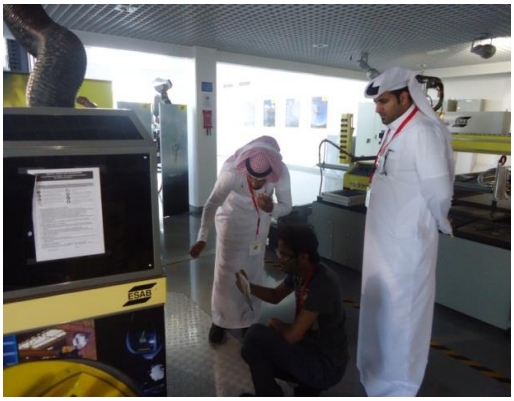
1215 – 1230	*Break*
1230 – 1300	***Professional Development & Resources for Welding Trainers:*** *Exploring Resources & Development Opportunities for Staying Updated on Welding Practices*
1300 – 1315	***Course Conclusion***
1315 – 1415	***COMPETENCY EXAM***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

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

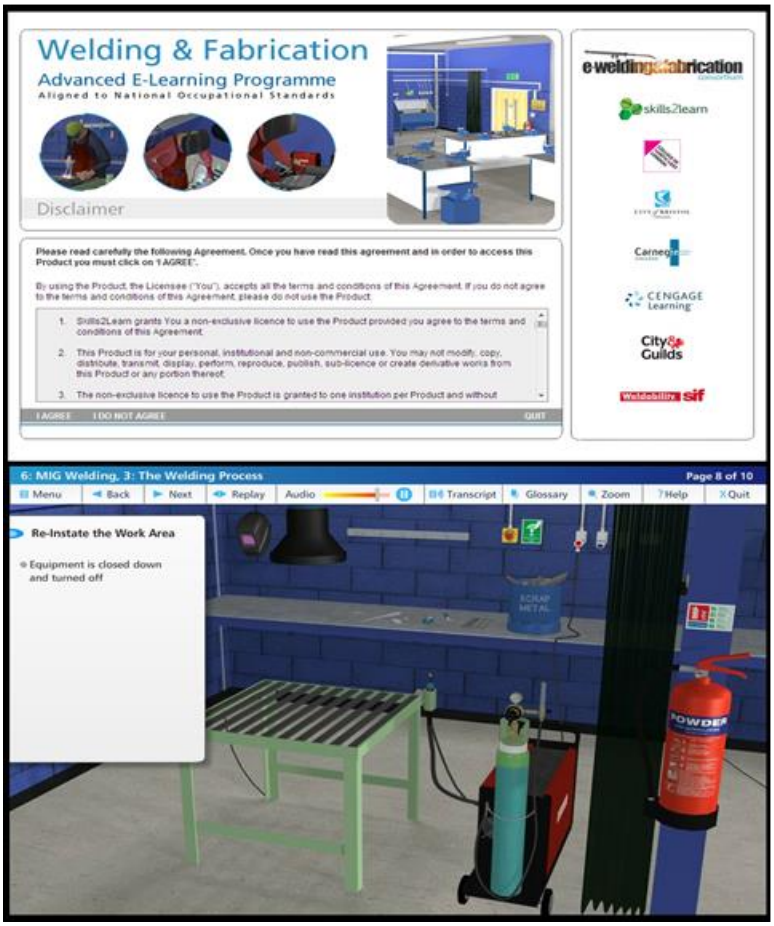




Simulator (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using the state-of-the-art “E-Welding & Fabrication” and “American Welding Society (AWS) Tool Kit” and “Structural Weld Replica Kit”.



AWS Tool Kit

Structural Weld Replica Kit

Course Coordinator

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