



H&MV Training Centre

*Learn From the Best
in Our Purpose-built HV Training Facilities*



“Loyalty, Integrity, Commitment, Teamwork & Passion”



State of the art facilities

In 2016, H&MV opened our purpose built training centre, fully equipped with RMU's, Switchgear and Transformers, from industry leading suppliers, including ABB and Schneider.

Our course participants have the unique opportunity to learn in a live HV substation that has been modified by our experts to ensure safety and maximise learning.

The centre is staffed with experienced senior trainers from varying industries, offering their extensive expertise to engineers and operators.

Our courses are accredited by
City & Guilds and Engineers Ireland.



High Voltage Switching & Operations Training

The purpose of this **5 day course** is to equip personnel working, or associated with, High Voltage Systems, with the knowledge they require to carry out their functions in a safe and competent manner. The course is applicable to both those carrying out High Voltage Operations, be that Switching, Installation or Maintenance Works, and persons who deal with these systems from a Managerial or Supervisory perspective. The course offers a structured approach to High Voltage training, in that all

relevant aspects of the subject area are addressed in detail and followed by Practical Exercises. It will provide participants with a solid foundation in both the theoretical and practical aspects of the operation of High Voltage Systems and Equipment.

Contents

1. Principles of Electrical Safety
2. Lock-Out & Tag-Out (LOTO) & Testing of Isolations
3. Electrical Drawings and Switching Plans
4. Electrical Safety Legislation and Standards
5. Principles of Arc-Flash and Arc-Blast
6. Personal Protective Equipment (PPE) and High Voltage Test Equipment
7. High Voltage Switchgear and Transformers
8. General Electrical Theory and Concepts
9. Electrical Circuits and Protection
10. Principles of Risk Assessment

City & Guilds

ACCREDITED
PROGRAMME

Low Voltage Isolation (LOTO)

Course Aim

Provide candidates with the required skills and knowledge to carry out LV Isolation and Lock Out Tag Out procedures

Understand the responsibilities of the employer and employee under the Safety, Health and Welfare Act 2005 relevant to the safe operation of electrical equipment and systems.



Candidate Profile

This **1 day programme** would be beneficial to personnel undertaking service or maintenance work and enable them to fully understand the importance of energy control and know how to apply energy isolation and Lock Out Tag Out correctly.



ACCREDITED
PROGRAMME

Substation Access and Awareness

Training Room

Course Aim

Provide the candidates with the required knowledge and level of awareness to work in a live substation.

Educate candidates with the ability and knowledge to identify hazards and dangers associated with high voltage

State the responsibility of the employer and employee under the Safety, Health and Welfare Act 2005 relevant to the

safe operation of high voltage equipment and systems

Identify the minimum Personal Protective Equipment (PPE) required when working in the vicinity of high voltage equipment.



Candidate Profile

Candidates for this **1 day programme** should be seeking an awareness of substations or working in a high voltage substation environment, but not conducting any electrical work.

City & Guilds

ACCREDITED
PROGRAMME

Please contact Niamh Murphy at hvtraining@hmveng.ie for more information

About Us

Experts in innovative energy services

Leading High Voltage specialist in Europe

Exceptional brand reputation

Zero Lost Time Accidents for over 20 years

Comprehensive turnkey solutions



A photograph of high voltage electrical equipment, including insulators and metal structures, under a blue sky with clouds. The image is partially obscured by a white banner at the top and a red horizontal line below the title.

Who We Are

Headquartered in Limerick, Southern Ireland, H&MV Engineering provide specialist energy services to the highest international safety and quality standards for all industry and utility sectors globally.

Since its inception, H&MV has proudly grown to become one of the top specialists in HV Turnkey projects, with offices in Ireland, the UK,

Scandinavia, Asia and South Africa. H&MV is currently working on high voltage projects in the utility sector with TSO and DNO's and is also engaged in high voltage projects in Renewables, Data Centres, Manufacturing and Pharmaceuticals in the private sector worldwide.

H&MV has vast experience in the design and build of substations up to 400 kV and can offer a unique

in-house turnkey solution from our dedicated design teams, management and installation crews and finally our expert commissioning staff.

“Dependable, dedicated,
innovative, experienced
and confident”

Safety and Accreditations

The company's commitment to safety is driven from the top by company management.

Our ongoing dedication to maintaining a safe working environment for all staff has resulted in **zero lost time accidents since inception over 20 years ago.**

We are keenly focused on:

- Providing employees with the training and development necessary to achieve excellent safety performance
- Maintaining a Zero lost time accidents record
- Demonstrating model performance in the industry, setting the benchmark all other companies measure against and seek to attain





Our Standard

Your Guarantee

ISO 9001 **Quality Assurance**

ISO 14001 **Environmental**

ISO 45001 **Health & Safety**



ENVIRONMENT
I.S. EN ISO 14001:2015
NSAI Certified



HEALTH & SAFETY
OHSAS 18001:2007
NSAI Certified



HEALTH & SAFETY
I.S. ISO 45001:2018
NSAI Certified



QUALITY
ISO 9001:2015
NSAI Certified



Value Statement



VISION

"To be the leading global provider of choice for innovative energy services"



MISSION

"H&MV provide specialist energy services to the highest international safety and quality standards for all industry and utility sectors globally, exceeding client expectations through innovation and sustainability."



CORE VALUES

"Loyalty,
Integrity,
Commitment,
Teamwork,
Passion"

Our Capabilities



ELECTRICAL & CIVIL
DESIGN



PROCUREMENT



ELECTRICAL
INSTALLATION



CIVIL CONSTRUCTION



SUBSTATION
MECHANICAL &
ELECTRICAL BUILDING



MULTI UTILITIES



CABLE JOINTING &
TESTING



PROJECT
MANAGEMENT



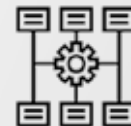
COMMISSIONING



TRAINING CENTRE



AUTHORISED
PERSONNEL



ASSET MANAGEMENT



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