SF_6 Training and Certification

Course categories

Substation courses
Specialist courses
Cables courses
Power Networks courses
Protection courses
Tailored programmes
Qualification programmes
Accredited programmes

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Course Brochure

SF_6 Training and Certification

Course overview

Days 2

Cost £795 + VAT

Location EA Technology, Chester, CH1 6ES

Since the Fluorinated Greenhouse Gas Regulations were revised in 2014, if you carry out any activities that directly involve the recovery or handling of SF_6 from high voltage (HV) switchgear, then you need to have passed a theoretical and practical examination in SF_6 handling and hold a certificate of competence issued by an accredited certification body.

EA Technology is DEFRA accredited to offer this training and assessment.

The course includes a theory assessment to comply with the regulations and confirm your knowledge and understanding at the end of the course, plus a second day of assessment in practical aspects in line with UK regulations, leading to certification.*

*EU 517/2014, 2015/2065, 2015/2066 and 2015/2068 have been retained in UK legislation, but have been amended due to the UK leaving the EU and now only apply in the UK.

Who should attend?

The course and assessment of competence are for technical staff and engineers who are involved in carrying out installation, leak check, servicing, maintenance, recovery, repair or decommissioning SF_6 filled Switchgear.

Managers, team-leaders and support staff who are not directly involved in carrying out these functions, and who are not required to demonstrate competence in line with UK regulations, may still benefit from SF_6 awareness training. A customised one-day course, without competence assessments can be arranged on request.

Benefits of attending this course

Develop technical knowledge that will help you to:

- Develop essential knowledge for safe working practices when handling SF_6 gas.
- Supervise staff or contractors who may come into contact with SF_6 gas in accordance with UK regulations.
- Ensure compliance with the latest UK regulations.
- Enhance your career with certification that is required and recognised across the UK.
- Update your skills in handling SF_6 gas in HV switchgear.
- Maximise your training budget by achieving cost effective compliance with the latest UK regulations.

For further information
or to book a place visit:
www.eatechnology.com

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Course programme

Day one

Introduction and Environmental Issues

Properties of SF_6
Applications
Environmental issues
Fluorinated greenhouse gases
Regulations
Training and certification requirements

SF_6 Chemistry and Testing

Chemistry of in-service SF_6
Degradation processes
Laboratory and site testing
Measuring instruments
Case study

Handling

Entering substations with SF_6 equipment
Handling of new and used SF_6
Recovering SF_6
Filling and topping-up switchgear
PPE requirements
Neutralising SF_6 decomposition
Products
Dealing with emergency release of SF_6

Gas Handling Equipment and Leak Detection

Re-use concept for SF_6
Components of gas handling equipment
Quantifying gas used
Leakage detection

Storage and Transportation

Legal requirements
Suitable storage conditions
Transportation of SF_6

Day two

Practical Demonstrations

Gas sampling
Checking SF_6 gas quality
Operation of SF_6 recovery equipment
Recovery of SF_6 from switchgear
Filling and topping-up procedures

SF_6 Filled Switchgear

History
Types of designs
Gas density/pressure monitoring

Disposal and Recycling

Procedures for end of life disposal
Re-use categories
Options for final disposal

Theory Assessment

Pre-assessment Briefing/Practice Session

Practical Assessment - Part One

Gas sampling
Checking SF_6 gas quality
Working on open SF_6 compartment

Practical Assessment - Part Two

Operation of SF_6 recovery equipment
Recovery of SF_6 from switchgear
Filling and topping-up procedures

Open Forum

Programme may be subject to amendment.

Global Footprint

At EA Technology we specialise in asset management solutions for owners and operators of power network assets.

Founded in 1966 we have over 50 years' experience in the industry and 6 regional offices around the world to support our global customer base.

We work with a lot of our clients on a long-term basis to help them safeguard their power networks.

We advise our clients on strategy and implementation of a range of technology solutions to manage power assets, delivering maximum life and minimise cost.

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Safer, Stronger, Smarter Networks

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