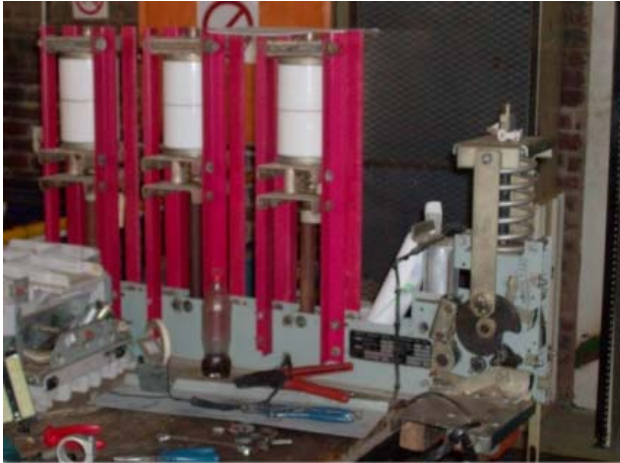


LV/MV/HV Circuit Breakers (Switchgear): Inspection, Maintenance, Design, Repair and Troubleshooting and Power Distribution.



Course description

This workshop is designed to update participants with the latest development of Circuit Breakers and to present some of the more common and updated aspects of low, medium and high voltage switchgear maintenance. It must be understood that there is an incredible variety of equipment used on low, medium and high voltage switchgear today. Switchgears play an important role in the distribution and control of electrical power in manufacturing or power plant and in a utility distribution system. Negligent maintenance practices can lead to power system inefficiency and loss of system reliability.

An older plant may have switchgear that was built in the forties in the older areas and modern switchgear in other areas as the plant was upgraded. This workshop will present maintenance problems to the maintenance manager and technician. Newer plants will probably have modern equipment of a limited variety and manufacture. It is these similarities that will be covered in the work shop.

Training Duration:

The training course duration is **5 Days**

Course Objective

Upon the successful completion of this course, participants will be able to:

- Apply an up-to-date knowledge and skills of the latest techniques in LV/MV/HV circuit breakers and be able to explain switchgear in a network context as well as its historical perspective
- Know the switchgear details such as ratings, degree of protection, service conditions and ancillary equipment
- Understand switchgear asset management including CBM & RCM process, tripping devices, maintenance & testing and be able to identify the various switchgear diagnostic techniques
- Identify & employ the different types of circuit breaker techniques and be able to determine the switchgear vital equipments including batteries condition and monitoring
- Learn the substation maintenance techniques and become familiar with their description, structures, features & functions
- Recognize & apply the switchgear maintenance practices and be able to review & improve maintenance & repair procedures
- Understand maintenance work orders including their process development, procedures and problems encountered
- Introduce computerized maintenance management systems (CMMS) and be able to recognize its importance in circuit breakers inspection, maintenance, design, repair & troubleshooting

Who should attend?

- This workshop is applicable to engineers and technicians who need a sound understanding of Low, Medium and High Voltage Switchgear and Circuit Breaker inspection, maintenance and repair
- Electrical Engineers & Project Engineers
- Maintenance Supervisors & Electrical Technicians

Training Methodology

1. Expert tutor input using power points.
2. Delegate discussion and involvement.
3. Case studies, Best practice examples.
4. Supportive comprehensive course manual enabling practical application and reinforcement.
5. Workshops Topics and Handouts, Power Point Presentation for each session.

Course Certificate

MSTC certificate will be issued to all attendees completing minimum of 80% of the total tuition hours of the course.

INTERNATIONAL SPEAKERS:

Delivering information through knowledge & experience obtained by renowned international speakers is one of the effective tools adopted by **MSTC**.

ON SITE TRAINING:

- ✓ Customize the training program to your workplace.
- ✓ Conduct the training program when & where you need it.
- ✓ Save more than 50% by conducting **MSTC** training workshop at your premises.

To request full detailed outlines, instructor's profile or any information about registration, please don't hesitate to contact us at:

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