

Electrical Installation and Maintenance

Course Description

Maintenance is carried out to obtain the design life from installations and equipment, to keep these in good working order, and to minimize the risk of danger.

This course embraces a wide cross section of maintenance activity which includes: periodic inspection and testing of low voltage installations, in accordance with the IEEE Wiring Regulations, 16th Edition; maintenance of general lighting installations; maintenance of emergency lighting installations, fire detection and alarm systems and lightning protective systems, in accordance with relevant British Standards. Inspection and testing of portable electrical equipment and application is also included.

Course Outline

- ◆ Introduction
- ◆ Dangers of Electricity
- ◆ Competence
- ◆ Maintenance:
 - Need for routine maintenance
 - What and when to schedule Maintenance
- ◆ Safe Systems as of work
- ◆ Introduction to Inspection and Testing
- ◆ Periodic Inspection and Testing of LV Electrical Installations:
 - General requirements
 - Periodic Inspections
 - Introduction to Testing, including safety
 - Periodic Testing
 - Test Methods and Instruments
- ◆ Lighting Maintenance
- ◆ Emergency Lighting
- ◆ Fire Detection and Alarm Systems
- ◆ Lighting Protective Systems
- ◆ Switchgear Maintenance - Generator Sets
- ◆ Inspection and Testing of Appliances And Equipments
 - Construction and Classification of Equipment
 - Inspection and Test Procedures Test Instruments
 - Frequency of Maintenance and Records
 - Practical Inspection and Testing
- ◆ Steam Temperature Controls:
 - Risk assessment
 - Accident and Prevention
 - Safety Precautions - Electrical and Non Electrical
 - Management Action Plan
- ◆ Case Studies

Who Should Attend

This course has been designed for maintenance mechanics and plant electricians responsible for performing day-to-day servicing and repairing of a company's electrical equipment. This course will also benefit plant and maintenance engineers, and process engineers. In addition, personnel involved in plant operation and design, and engineering contractor equipment specialists.

For any further information please contact us at:

P.O. Box 3808, Al-Khobar 31952, Kingdom of Saudi Arabia
Tel: +966 (3) 865-6992 Ext 23, Fax: +966 (3) 865-6922, Mobile : 0508008731
E-mail: info@mstcme.com / das.mstc@yahoo.com