Two day Workshop on Electrical Safety in LV & HV Installations

Date : 20-21 July, 2017 (09.00 - 17.00 hrs.)
Venue : The Orchid Hotels, 70/C Nehru Road, Vile Parle (E), Mumbai - 400 099

The Global Experts in Explosion & Process Safety
Your partner for developing proficiency programs

www.dekrainsight.com  www.chilworth.co.in

DEKRA Insight represents the collective expertise of our legacy businesses, each an institution in safety.
Chilworth Technology, now part of DEKRA Insight*, your global partner in bringing Process Safety Competence to your organisation

Our competence development programs are:

- **Effective**, with our Process Safety expertise honed to deliver the appropriate knowledge to the appropriate staff; establishing clear targets and skills to be developed with information applicable in day-to-day activities
- **Impactful**, accompanied by testing and managerial follow-up (before and end-of-course grade tests, communication of skills developed)*
- **Globally Consistent**, ensured through adherence to a global syllabus agreed by our facilitators in all locations
- **Sustainable**, refreshed regularly to top-up knowledge and proficiency

Our Solutions are:

- Custom made & focused on your own operational process
- Flexible (in-company)
- At your own pace (one-shot, quarterly, annual)
- Complemented by extra services (supplementary back-up training or refresher sessions)*

Our In-Company portfolio includes:

- Best Practices in PSM Programs
- Understanding Process Safety Hazards
- Hazard Identification and Risk Analysis
- Safeguards and Layers of Protection

For an informal discussion on our tailored In-Company solutions, please call 011 2613 6979 or email info-in@chilworthglobal.com

OUR TRAINING EXPERTISE:

- In-company, open training
- Multi-level audience: engineers, scientists, managers, technicians, operators and board members
- Our trainers: highly experienced process safety practitioners in industry
  
  Senior experts in their fields, providing a high level of advice and able to answer professional questions from experience

* DEKRA Insight is the global leader in safety at work. We guide clients in transforming their organisational culture and their operational environment, enabling them to reduce exposure to injuries, save lives, protect assets and achieve safer performance.
Dr. A.M. Salsingikar is a product of IIT-Bombay. He is a Chartered Engineer & an Accredited Electrical Safety Auditor with over 45 years of professional experience in the field of Electrical system Operation & Maintenance, Electrical Safety Management & Training for risk minimization.

Post his retirement from Reliance Energy (formerly BSES) as a Dy General Manager (Electrical Safety), Dr. Salsingikar obtained both his M. Tech his PhD from IIT Bombay. His research for his M Tech was on power distribution system and he obtained his PhD on improving Electrical System Efficiency & Safety in power distribution systems.

In addition to his brilliant academic and professional career Dr. Salsingikar is an outstanding tutor and communicator. He has a reputation to transform minds and bring about a real change in attitudes in safety in the arena of electrical safety. He is considered an authority on the provisions of the Electricity Act, including its implementation, Rules & fixing responsibility for violation of Electricity laws under Indian Penal Codes.

He is an active Member of the Power Sector coordination committee of Bureau of Indian Standards for making reference to electrical standards in statutory regulations & ensure wide implementation of standards by all agencies.

He has conducted numerous electrical safety training and audits for many prestigious organizations in the country.

Dr. A.M. Salsingikar, is a Life Fellow of Institution of Engineers (India), The Society of Power Engineers (India), & Consulting Electrical Engineers` Association of Maharashtra (CEEAMA). He is also Member of IEEE (USA) & IEE (UK).

Course Design and Objectives:
The DEKRA Insight workshop on electrical safety is designed to enable engineers and safety personnel to identify hazards associated with electrical equipment in their facilities and how to eliminate/control these hazards. The course uses well proven practical methods for ensuring electrical safety while complying with all applicable statutory requirements.

Course Outline & Course Content:
The course module covers the provisions of the following regulations:
1. Indian Electricity Act, 2003
2. Electricity Amendment Act, 2007
4. Indian Electricity Rules, 1956
5. National Electrical Code (India)
6. I.S. Specifications & Codes of Practice for the electrical system and equipment
7. OSHA under 29 CFR (Code of Federal Regulations) 1910
8. NFPA safety requirements, including NFPA 70E Standard
9. Personal protective equipment (PPE)
10. Predictive maintenance tool
11. Lightning Risk Assessment as per IEC 62305 / IS 2309

Day One
1. Review of electrical safety awareness of the participants
2. Obligations of Plant Supervisor
3. Fires of electrical origin & its avoidance
   - Electrical Fire Hazards & their causes
   - Static Electricity fire hazards
   - Transformer Fires
4. Electrical Accident - Case Studies
5. Management of Electrical Risk
   - Hazards associated with electrical systems
   - Difference between Standard Operating Procedures (SOPs) & Work Instructions (WIs)
   - Significance of Fault level
   - Step and touch voltage situations
   - Cable safety management.
   - Hazards from Electrical Tools
   - Methods of accident prevention
   - Competent and Authorized persons.
   - Electrical Accidents - case studies
   - Statutory & Legal provisions
   - Electrical Risk management techniques.
   - Arc flash hazard Management

Day Two
1. Earthing System Management
2. Electrical Safety by Design Criteria
3. Condition Monitoring aspects
4. Electrical Safety Audit explained
5. Developing the Safety Culture.

Q&A / Group Discussions
Quiz
Course Evaluation & Feedback
DEKRA Insight is a consulting organization specializing in safety at work. We are part of DEKRA, the global leader in safety since 1925 with over 35,000 employees. DEKRA Insight represents the collective expertise of our legacy businesses, each an institution in safety: BST, Chilworth, RCI Safety, Optimus Seventh Generation, RoundTheClock Resources and Russel consulting.

DEKRA Insight works with the world’s top chemical, oil & gas, transportation, utilities, pharmaceutical and agricultural companies helping them to evolve their organizational culture and their operational environment. We help clients mitigate their risks to their employees, assets and reputation, thereby enhancing business performance.

DEKRA Insight offers a unique blend of rigorous scientific methodologies and an unwavering commitment to the cause of industrial safety. We transfer knowledge and data insights, best practices, test results, analytical tools to clients, empowering them to achieve quantifiably improved outcomes and to sustain an enhanced level of safety.

We are a global thought leader, actively helping to shape the future of industrial activity.

By the end of the program you will learn

- To identify the hazards in operating and carrying out maintenance work in different parts of electrical substations and other installations including batteries used in emergency power supply systems
- To identify the various statutory or legal regulations/acts dealing with electrical safety at work and the responsibilities of employer and employee in ensuring safe work practices
- To appreciate the basic theoretical aspects involved in electrical safety and the relevance of safety systems and appliances commonly used at work
- To understand the importance of proper design of electrical equipment and their selection in a given installation in ensuring safety
- Gain the clear concepts of the procedures/practices adopted for safe working in different parts of electrical electrical installations including outdoor switchyards
- Gain an insight into the organizational aspects of safety, the procedures adopted for reporting of accidents, carrying out investigations and arriving at appropriate measures to improve safety and prevent accidents

Course Registration:

- Course Fee: 25,000 INR (Twenty Five Thousand only) per participant exclusive of service tax. Please note the course does not include the cost of travel, lodging and boarding of the participant.
- Registration is on first come first serve basis. For Registration, please send the filled registration form along with the course fee to our Delhi office.
- Please note the course does not include the cost of travel, lodging and boarding of the participant.
- A maximum of 25 participants are allowed per training session.
- Course fee can be sent through Cheque/ DD/ in favour of Chilworth Technology Private Limited, payable at Delhi/ Mumbai and must be paid before the start of the course, i.e. up to registration time.

Course fee can also be sent through RTGS/NEFT,

The details are as follows:

Beneficiary’s Name: Chilworth Technology Private Limited
Bank Name: ICICI Bank, New Delhi Branch
Swift Code: ICICINBBCTS
Bank A/c.No.: 000705018701
Account Type: CURRENT ACCOUNT
Address: 9A, Phelps Building, C.P., New Delhi - 110 001
Branch IFSC Code: ICIC0000007 (Applicable only for RTGS)

Cancellations:

All reservations in writing are subject to cancellation conditions. Written cancellations, received up to 5 working days before the course date will be fully refundable. Cancellation within 5 working days are not allowed, however, substitutions can be made. No refunds will be made for non-attendance. Substitutions may be made at any time up to the start of the course. Chilworth Technology reserves the right to modify or cancel the course up to 4 working days prior to the commencement date.

For Details Contact:

Mumbai:
Sonali Oroskar
Mobile: +91 98670 35701
Email: sonali.oroskar@dekra.com

New Delhi:
Sonal Gaur
Mobile: +91 88007 96687
Email: sonal.gaur@dekra.com