



## Switchgear Training Centres - The Key to Your Company's Profitability

## Train & Gain

Switchgear generally has a proven record of reliability and performance. Failures are rare but, when they occur, the results may be catastrophic – huge financial losses, serious injury, breakdowns, downtime, etc. Accidents demonstrate that how equipment is operated affects its ability to perform safely. An analysis of customer complaints reveals that product failures are mainly caused by faulty operation, erroneous application, flawed selection and inadequate maintenance. The proficient use of electrical equipment is, therefore, of the utmost importance. In addition, the proficient use of electrical equipment minimises costs and maximizes productivity. This is where training comes into play. Training enhances knowledge and the skill-sets required to boost efficiency and effectiveness, which in turn impact an organisation's profitability.

## In Sync with Technology

In today's highly competitive business environment, the technology requirements of the market advance continually. To keep abreast of the latest industry developments and trends, structured training is essential. Only if users are trained to optimally utilise all the functions of a given product will a company reap financial gains from energy-efficient upgrades, sophisticated technology applications, etc.



## L&T's Commitment to the Nation

L&T Electrical & Automation's commitment to promote good practices and the highest standards in electrical engineering is manifested in a myriad ways: benchmarking and conformity to world standards, continuous product development, prompt and efficient after-sales service, training. As India's leader in low-voltage switchgear, we spearheaded the cause of generating awareness on electrical hygiene in the country. Our setting up non-profit Switchgear Training Centres (STCs) is an endeavour to bring about industry-wide improvements in productivity. Even a small increase in productivity can raise profits substantially.

## The STC Saga

L&T embarked on its training odyssey by training rural electricians on agricultural switchgear products in remote villages. It then transited to training industrial engineers and workmen on industrial switchgear products at a single location. In 1986, the first dedicated Switchgear Training Centre (STC) was set up at Pune. It was supplemented by STCs at Lucknow, Coonoor, Vadodara, Delhi and Kolkata for the convenience of participants from other regions. In addition to promoting good electrical engineering practices, the STCs provide an excellent platform for discussions on technical issues.





## Infrastructure

Our STCs are equipped with state-of-the-art facilities, including modern audio-visual equipment for training presentations, test benches and the entire range of switchgear products.

## Training Methodology

To cater to the maximum number of industry aspirants, we adopt an unbiased, generic approach of switchgear – their selection, installation, safety, maintenance criteria, energy conservation techniques, etc. Our training methods include theory-based classroom sessions, video-based instructions, workshops, practical demonstrations and hands-on training for ‘learning by doing’. The appropriate mode is selected to suit the target audience’s level viz. maintenance, project, design.

## ROI from Training

The returns on investment in training far exceed the course fees. Training reduces waste and machine downtime, while increasing the productivity of employees and processes. The organisation gains a competitive advantage by way of upgraded employee skills and expertise which include:

- Upgraded skills in preventive and breakdown maintenance of a wide range of products in the low-voltage distribution system



- Enhanced understanding on selection & application of protection & control products
- Ability to apply relevant Indian standards and product data for optimum design of the low-voltage system
- Significant reduction in breakdown and stoppages at factories and plants
- Reduction in downtime and maintenance costs
- Facilitates the planning of a structured preventive maintenance programme
- Enhancement of the life-span of switchgear products
- Improved electrical safety

## Training Solutions

Developing new training programmes, improving the current programmes and upgrading training material is a continuous process. Our comprehensive range of highly-focused programmes to suit the varied skill-sets in the industry comprise:

- Standard programmes to impart industrial knowledge on:
  - > LV & MV Switchgear
  - > Switchboard Electrical Design
  - > AC Drives & Building Management Solutions
  - > Protective Relays, Earthing, Reactive Power Management & Harmonic Mitigation
  - > Energy Conservation & Management
  - > MV Switchgear
  - > Power Distribution in Building



- New Programme for FY 14-15:
  - > Transformer
  - > Switchgear Application for Non-electrical Engineers
  - > Best Maintenance Practices for Electricians
- Customised programmes tailored to suit the needs of large organisations
- Programmes for 'Engineers of the Future' (PEF) specially designed for budding engineers (final year Diploma / Degree Electrical Engineering) keeping in mind the college curriculum and industry expectations. The fees for this programme are affordably low.

## Beyond Borders

We conduct a series of training programmes on LV switchgear distribution and protection systems for the Association of Overseas Training Scholarship (AOTS) - a non-profit organisation in Japan. We have received an overwhelming response from countries such as Egypt, Sudan, Ghana, Bangladesh, Sri Lanka, etc.

## Target Audience

We target all users of low-voltage switchgear – electricians, technicians, maintenance supervisors, engineers.... Our customer profile spans user industries, panel builders, OEMs, consultants, contractors, electrical utilities as well as university faculty and students from India and abroad.



## Batch Size

A training batch typically comprises 10-20 participants. This enhances learning by ensuring individual attention and facilitates one-on-one interaction with the faculty.

## Training Schedule

The training year is from April to March. At the beginning of each financial year, a training calendar is mailed to about 40,000 customers all over India to enable them plan their training schedule in advance.

## Duration

1 to 5 days.

## Course Fees

Being a non-profit centre, the fees charged are nominal.

## Medium of Instruction

The programmes are generally conducted in English or Hindi or a mixture of both depending on the background of the participants. If required, explanations are provided in regional languages to enhance participants' comprehension.

## Logistics

The programmes are non-residential. Transportation to the training centre is available at prefixed times and pick-up points in the city. Participants will be dropped at the same points at the end of the day.

## Customer Track Record

Over the last 27 years, nearly 1,15,000 participants from various industry backgrounds have been trained through over 6200 training programmes.

Major customers who have attended the training programmes include ONGC, IOCL, HPCL, PCL, NTPC, BHEL, Goa Electricity Board, Prasar Bharti Corporation, Tata Power, Reliance industries/Reliance Infra, RBI, Thermax, Atlas Copco, Bajaj Auto, Telco, BARC, CIPLA, Airport Authority of India, Singareni Collieries, Apollo Tyres, Samtel Glass, Asian Paints, ACC, Bajaj Tempo, BALCO, Dr. Reddys Lab, Bharat Forge, VSNL, BSES, CPWD, CEAT, Coca Cola, Cummins Ltd, DOT, ISPAT, Essar Steel, Finolex, IPCL, GAIL General Motors, Godrej, GRASIM, Greaves Ltd., GEB, Mother Dairy, Hero Honda, GNFC, HAL, MES, Mazagaon Docks, AOTS (Japan), Infosys, TVS Motors, Salem Steel, Ashok Leyland, Saint Gobain, ISRO, TCE, ISRO, El Dupont, CMC Hospital, Taj Hotels, Reliance Infocom, SPIC, Hindustan News Print, Mother Dairy, Gujarat Ambuja Cement, Blue Star.

## See Your Profits Soar

Skill-based technical training helps employees do their jobs better, work more independently and develop a can-do attitude. Trained employees stay abreast with technological advancements and add value to their organisation. The time, energy and money invested in such training significantly improves productivity.

## Customer Testimonials

"Nicely co-ordinated, well-structured training programme. Hope to attend more such programmes"  
Mr. S. Sreekumar,  
Sr. Engineer-Electrical, Binani Zinc Limited, Kochi

"The training was very informative & useful"  
Mr. Bobby Kuriakose,  
Deputy Manager, MILMA, Kannur

"What is commendable about these excellent training programmes is that they focus on better engineering practices and not on any particular product brand"  
Mr. S. Ponnambalanathan,  
Managing Director, Ramani Engineering, Madurai

"The case studies explained by the instructors are very valuable. L&T's training initiative is highly appreciated."  
Mr. A. S. Somasundaram,  
Training Manager, Lucas-TVS Limited, Pondicherry

"Excellent training centre ! It was a fruitful visit. Hopefully, we will explore the possibility of future co-operation."  
Yasumi Suzuki,  
General Manager, AOTS - Japan

"An excellent forum for knowledge-sharing"  
Mr. Ramesh Kumar,  
Associate Vice President, JSL Stainless Limited, Jajpur, Orissa

"The programme covered several useful areas, and included an effective presentation of equipment data, industrial applications, general problems with possible solutions, as well as Indian and international standards."  
Mr. K. K. Mathur,  
AGM, Bhushan Steel Limited, Sahibabad

"Very nicely organised. The selection of topics is highly relevant to the needs and demands of the day. The speakers were proficient in their subjects, and the presentations were well-delivered. The programme is very useful."  
Mr. Surendra Singh,  
DGM, Bhilai Steel Plant, SAIL

"The programme was highly informative."  
Mr. Pulin P.Panchal,  
Asst. Manager, Eimco Elecon Electricals Limited, Anand, Gujarat.

"It doesn't get better than this."  
Mr. Sunil Pandita,  
Sr. Manager, Bharti Realty Limited, Gurgaon

"One of the best programmes I have ever attended. Very well organized and executed"  
Mr. N. E. Bhaskar Rao,  
Sr. V.P. (Projects), Rashmi Metaliks Limited, Kharagpur, West Bengal



## SWITCHGEAR TRAINING CENTRES

### Pune

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E-mail: stc-pune@Lntebg.com

### Vadodara **New**

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### Lucknow

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### Coonoor

Larsen & Toubro Limited  
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### Delhi **New**

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### ELECTRICAL STANDARD PRODUCTS

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Please contact above centres for soft copy of the training calendar

### Customer Interaction Centre (CIC)

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