



OUR SERVICES

We are a BizSafe, ISO-certified and service-oriented company with a diverse portfolio of clients in both commercial and industrial sectors. Our Engineering teams have more than 20 years of proven track records in providing engineering solutions for critical installations such as Data Centres, Wafer Fab, Hospitals, Financial Centre, Oil / Gas Plants, etc.

- LICENSED ELECTRICAL WORKER LEW / PROFESSIONAL ENGINEER SERVICES
- RENEW OF ELECTRICAL LICENSE (EMA ELECTRICAL INSTALLATION LICENSE)
- ELECTRICAL CONSULTANCY, DESIGN AND SPECIFICATION
- ANNUAL SHUTDOWN SERVICING OF ELECTRICAL SWITCHBOARDS
- DIAGNOSTIC TESTING & MEASUREMENT SERVICES
- INSTALLATION OF ELECTRICAL SWITCHBOARDS & TRANSFORMERS



Licensed Electrical Worker (LEW) Services

Application and renewal of electrical license (EMA Electrical Installation License of 400V, 22kV, 66kV)

Conduct routine inspections and provide recommendations on the electrical systems.

Attend to power outage, troubleshooting, eliminate malfunctions on the electrical systems.

Evaluation study and provide solution for power quality / energy efficiency.

Liaise with SP Power Grids, EMA and authorities for energisation and power supply related matters.

Preparation and submission of electrical drawings to relevant authorities and approval of application for electrical supplies to multi tenant units.



Maintenance, Testing and Switchboard Installation

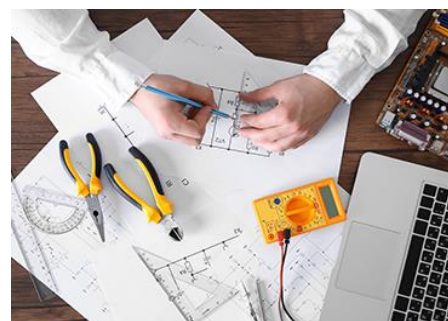
Shutdown servicing of electrical HV / LV switch boards, transformer, motor panels, etc.

Measurement of load / energy profile, power quality, harmonic disturbance on electrical equipment.

Condition monitoring tests: partial discharge / ultrasound tests on HV switchboards, infra-red scanning on LV switchboards, DGA oil test on transformers, etc.

Commissioning Tests: Injection on protection relays, high voltage test, VLF cable test, equipment functional test, etc.

Installation of HT / LT electrical switchboards and transformers, power cables, etc.



Mechanical & Electrical Consultation Services

Conduct Feasibility Study, Cost Estimation, Prepare Tender Specifications, Conduct Tender Briefing, Award of Contract, Inspection, Commissioning and Certification of installation, etc.

Design of Electrical HT / LT Distribution System, Connection to Co-Generation, Load Flow Analysis, Short Circuit Study, Harmonic Analysis, Transient Stability Calculation.

Earthing System, Uninterrupted Power Supply, Lightning Protection System, Building Automation, Application for contestability / Demand Aggregation Scheme.

Mechanical Air-conditioning System, Ventilation System, Fire Protection System, Building Automation System, Plumbing and Sanitary System, etc.

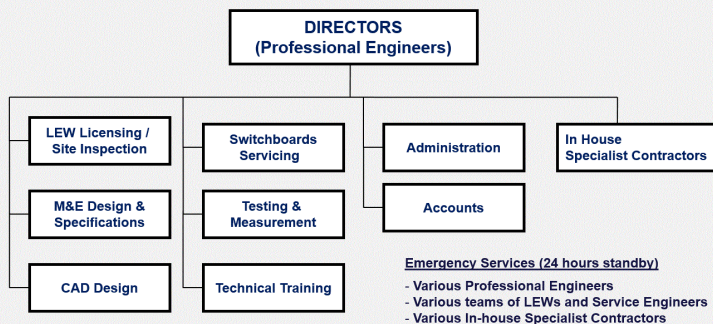


COMMITMENTS TO OUR CUSTOMERS

- ❖ DELIVER QUALITY ENGINEERING SOLUTIONS TO MEET OUR CUSTOMERS' BUSINESS NEEDS
- ❖ ATTEND AND RESOLVE EMERGENCY TECHNICAL MATTERS WITHIN THE SHORTEST POSSIBLE TIME
- ❖ CREATE A SAFE AND ACCIDENT FREE WORK ENVIRONMENT



ORGANISATION CHART



OUR ORGANISATION

Our organisation comprises various departments that specialise in their expertise, so that the functions of LC Engineering Services are streamlined for your benefit and convenience.

Our team of LEWs, Professional Engineers and Specialist Contractors are on standby 24/7/365 to attend and resolve any technical issues and emergencies within the shortest possible time.

OUR TRACK RECORDS

With our **readiness, reliability, and professionalism**, we continue to pride ourselves as the one-stop solution for electrical engineering solutions for your business.

- ❖ Commercial Office Buildings
- ❖ Data Centers
- ❖ Pharmaceutical Plants
- ❖ Petro Chemical Plants
- ❖ Semiconductor Wafer Fab
- ❖ Hospitals & Healthcare
- ❖ Hotels & Residential
- ❖ Shopping Complexes
- ❖ Oil & Gas Plants
- ❖ Shipyards



CONTACT US

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Website : www.LCES.com.sg



Power Quality / Harmonics / Load
 Profile Measurement



High Voltage Test of 66kV
 Switchgears / Transformers



Testing of Protection Relays at 22kV
 HT Switchgears



LEW carrying out switching at HT Gas
 Insulated Switchgears



Maintenance of High Tension
 Transformers



Installation of Switchboards /
 Transformers



Partial Discharge / Ultrasound Tests
 at HT Switchgears



Infra Thermography Test at Low
 Voltage Switchboards



Maintenance of 22kV HT Switchgears



Transformer Oil Sampling for DGA
 Test (IEC Standard)



Electrical Safety & Operation Training



Service Van on 24 hours standby