



# TECHNICAL SERVICES Ltd

## TECHNICAL

**Looking for reliable and professional electrical services?**

**Our services include:**

- Fixed Wire Testing
- Load Monitoring
- Emergency Lighting
- PAT Testing
- Surveys/Risk Reporting
- HV/LV Maintenance
- And Much More!

Look no further than our team. We provide comprehensive electrical solutions for both residential and commercial customers, ensuring that your needs are met with efficiency and excellence.

### CONTACT US



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TECHNICAL  
SERVICES<sup>ltd</sup>

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## 1. LV TECHNICAL SERVICES OVERVIEW

# OUR STORY

### LV Technical Services LTD

*Established in 2023 - Built on Values. Driven by Results.*

At LV Technical Services Ltd, we combine **45+ years of industry experience** with traditional values – **Reliability, Respect, Integrity, Humility and Quality** – to deliver trusted High Voltage and Low Voltage power solutions in a modern world.

Our expert team operates across a wide range of environments:

- Data Centres
- Corporate Headquarters
- Residential & Commercial Real Estate
- Industrial & Factory Units

We adapt to your needs, strive to succeed expectations, and build lasting relationships through service excellence.

**Our Promise:** Delivering Results. Exceeding Expectations.



## **TYPES OF SERVICES**

### **2. INTRUSIVE**

Our intrusive service allows us to dive deep into the inner workings of your systems to ensure full, fit for purpose, functionality and safety is upheld and/or provided.

#### **2.1. INSTALLATION**

Working with accredited and experience design teams, we can offer full, partial, and/or individual bespoke installation needs to new and older systems. From sourcing the required equipment to end pre-commissioning, adaptable packages can be provided.

#### **2.2. MAINTAINANCE & TESTING**

Mechanical and Electrical health checks, internal inspections, and tolerance stability on existing systems and equipment; verifying full working and fit for purpose specification in accordance with the design specification, manufacturing standards, and BS/EN/ISO regulations and legislations, will provide peace of mind for continued use and prevent any future unplanned outages that could pose a detrimental effect on your business.

## **2.3. PRE COMMISSIONING**

Energising equipment for the first time can be a daunting task. Internal damages could have occurred during transport, mistakes could have been made during installation, even the design could be wrong that the equipment used might not be able to handle the demand specification required. Pre-commissioning test and checks will ensure you have full peace of mind, highlighting any issues or proving full functionality/fit for purpose use.

## **3. NON-INTRUSIVE**

We understand maintaining full power availability is the number one priority for many businesses and any planned or unplanned outages can be extremely difficult or even have detrimental effects. Though it is not as thorough as our Intrusive Services, Non-Intrusive inspections can highlight potential risk or cause for concern areas before any planned outages, or simply to record a trend for estimated/predicted failures, allowing your business to continued operating upkeep.

### **3.1. PARTIAL DISCHARGE TESTING**

Measuring the dielectric breakdown of insulation and hot spots we can determine localised areas and estimated timeframes of potential failures within your High and Low Voltage system. Having these measurements highlights focus areas for planned maintenance.

### 3.2. OIL SAMPLING

Any oil-based arcing medium can make it hard to identify potential hazards within the equipment. Oil sampling and testing can detect any and all Gasses diluted within the oil from arising faults. With the results, rectification and oil replacement can be provided potentially extending the equipment lifetime.

### 3.3. VISUAL INSPECTIONS

With the manufacturing standards and BS/EN/ISO regulations/legislations, even if a Non-Intrusive service is also not possible, a visual inspection can be conducted to ensure the bare minimum of all guidelines can be met. Our engineers are highly experienced to detect and exposed/visual abnormally that would normally be overlooked to the inexperience eye.



## **4. MANAGEMENT**

We understand maintaining infrastructural and utility upkeep of any building is no light task, which is why our management services are aimed to assist and make our client lives easier. With roles of Mobile Technical Managers, Senior Persons, and Engineers, we can shoulder the workload allowing our clients more freedom to focus on other areas of their roles.

### **4.1. SHUTDOWN PLANNING AND EXECUTION**

Assessing your Building requirements for crucial shutdowns or Black Building Tests our engineers can offer our expertise in Programming, Method of Procedure and Execution. We can liaise with your Stakeholders/Building users in highlighting business critical infrastructure for preventative measure.

### **4.2. SYSTEM SIMUALTION AND VERIFICATION**

As buildings get older and new facilities managements change hands, many documents get lost in the process. So much so that you end up taking over a new building/contract and no knowledge or definition detailing what the system does. During Shutdown Planning or as a stand-alone service, we can incorporate/plan a System Simulation and Verification activity; testing and recording all system reactions to specific inputs. Further to an executive report, we can generate detailed Standard and Emergency Operating Procedures (SOPs/EOPs) so your site/shift engineers have a tested, proven, and documented method in the event any of the tested reactions should occur.

## 5. EMERGENCY/REACTIVE

Power outages are worst case scenario, especially for businesses that are power dependant. The difficult part is knowing/figuring out “why?” and preventing it from happening again!

### 5.1. CALL-OUT & PRE/POST FAULT INVESTIGATION

If your business should ever suffer a power outage, especially out of normal business hours, it can be extremely difficult to get locate an engineer and get him to site quickly. Using our Call-Out Service, we can provide rapid response of a highly trained engineers to investigate the matter and attempt to restore your mains power.

### 5.2. PROVISION AND INSTALLATION OF TEMPORARY/BACK-UP POWER

Should a catastrophic incident happen that prevents power restoration; we have a wide network of suppliers that can provide temporary power to get your business up and running again while rectification is planned.



## **6. ELECTRICAL LV TESTING/INSTALLATION**

Additional to our HV testing we provide LV electrical testing throughout Domestic/Commercial/Industrial setting. With our vastly experienced team who can provide testing within specialised areas considering client's needs to aid with business continuity.

### **6.1. FULLY PLANNED TESTING IN CRITICAL AREAS/PERIODIC INSPECTIONS**

An experience team can work with clients to help build documentation to aid with the testing experience for record purposes. Working hand in hand with client or stakeholder requirements and helping keep essential power energised by providing temps supplies where required.

### **6.2. VALIDATION REPORTS**

Creations of Validations of areas to aid design requirements of existing containment, supplies, distribution systems to help save money or aid with future designs of property.

### **6.3. PAT TESTING**

PAT testing within any setting whether commercial or industrial or even just a change of tenant within rented accommodation.

### **6.4. EMERGENCY LIGHTING/LUX LEVEL TESTING**

We hold qualifications to design or review changes of use of properties where required for emergency lighting. More similarly our team can carry out Annual or flick testing within properties, help with creation of documentation required i.e. logbooks, drawings.

## **6.5. RISK REPORTING**

Creation of risk reports throughout any required properties to help create preventive maintenance plans rather than a reactive approach to building management. Over long term can save business money in a preventative approach.

## **6.6. LOAD TESTING/REPORTING**

Load testing installation over a set period to review and spikes in loading, peak times of usage within each setting. Reports created and reviewed and client's needs.



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