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Electrical Installation & Appliance Testing (UK) Ltd

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Portable Appliance Testing

Fixed-Wire Testing

Thermal Image Surveys

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ei at uk

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Electrical Installation & Appliance Testing (UK) Ltd is a market leader in the Electrical Safety Testing industry with our roots going back to 1989 with the revision of the Health & Safety at Work Act. Since that time our company has grown into a nationwide operation servicing the many facets of electrical safety including Portable Appliance Testing, Fixed Wire Installation Testing, Thermal Imaging and Power Monitoring. As we are all aware personal injury claim settlement costs are rising rapidly as well as statutory requirements for electrical testing being enforced by insurance companies. We can take the worry out of compliance in this area.

We know our success is due to our firm commitment to quality, and service to our customers, so much so our customers are increasingly employing our services on long-term contracts.

We use only professionally trained staff which are all Health and Safety aware and security cleared, as our clients include many Constabularies, M.o.D, Education Establishments, Large F.M companies, local Government The leisure industry and even The Health & Safety Executive itself.

Our services are all quality assured with a dedicated Quality Manager, NICEIC accreditation, Constructionline membership, all administered to ISO 9001-2000 and Health and Safety systems approved by Chas.

Of course cost is a large factor in choosing a suitable company to undertake your electrical safety testing and we have proved to be extremely competitive in our industry with contracts being won and serviced on time and efficiently up and down the country.

For further information please take time to read our brochure and contact us to discuss your individual requirements.



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PAT TESTING

Electrical Installation & Appliance Testing (UK) Ltd considers pat testing or portable appliance testing is an important part of any health & safety policy.

The Health & Safety Executive states that 25% of all reportable electrical accidents involve portable appliances. The Electricity at Work Regulations place a legal responsibility on employers, employees and self-employed persons to comply with the provisions of the regulations and take reasonably practicable steps to ensure that no danger results from the use of such equipment. This in effect requires the implementation of a systematic and regular program of maintenance, inspection and testing. The Health & Safety at Work Act (1974) places such an obligation in the following circumstances:

1. Where appliances are used by employees.
2. Where the public may use appliances in establishments such as hospitals, schools, hotels, shops etc.
3. Where appliances are supplied or hired.
4. Where appliances are repaired or serviced.

The level of inspection and testing required is dependant upon the risk of the appliance becoming faulty, which is in turn dependant upon the type of appliance, the nature of its use and the environment in which it is used.

E.I.A.T (UK) Ltd is very much customer focused and therefore operates most of the leading industry standard software packages in order to integrate with clients' own databases or alternatively create new systems for them from scratch. In addition to standard P.A.T software we are able to export into standard Microsoft applications such as excel or PDF secure files on a variety of media such as email, floppy disk or CD Rom.

All our staff are trained by the software manufacturers to a very high standard at our head office and are very experienced at processing high volume test records.

Please contact our sales department for an extremely competitive quote.



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FIXED WIRE TESTING

This often over-looked but extremely important form of testing is fast becoming a statutory requirement of many insurance companies.

The regulations as stated in IEE BS7671(guidance note 3) is of course the standard by which we Inspect and Test electrical installations.

The frequency of testing is dependant largely on the type and use of the building concerned and can range from 1 to 10 years.

A periodic inspection can reveal a great deal of information about the condition of the wiring , safety systems and developing faults. As an integral part of your maintenance routine it can in fact save money in costly breakdowns , electrical fires , litigation and of course injury or Death.

After completing a periodic inspection we produce an easy to read report with a supporting document outlining any departures from the regulations ,a condition report and if any part of the installation is found to be unsafe you will be informed immediately .

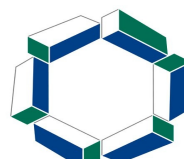
A full copy of our method statement can be obtained on request from our office.

Fixed wire testing requires a great deal of skill and experience, that is why our specialist team of engineers are trained to a very high standard and we are assessed and accredited by the NICEIC, Constructionline and all documentation and procedures quality assured to ISO 9001-2000.

Of course, during all works Health & Safety is paramount thus all our engineers are trained and monitored by an IOSH registered Consultant and our Safety Officer.

We offer the option of both in and out of hours working to suit your requirements.

For further information and guidance please call our technical department.



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Thermal Imaging

has evolved into one of the most valuable diagnostic tools used for predictive maintenance. Thermal Imaging, also known as Thermography, is production of non-contact infrared, or heat images from which anomalies often invisible to the naked eye can be clearly identified. Thermography allows corrective action to be taken before costly system failures occur. Portable Infrared imaging systems scan equipment and structures, then instantly convert the thermal images to visible pictures displaying quantitative temperature analysis. Thermal image surveys are fast becoming the recommended electrical and fire safety reporting method by large insurers nationwide.

In electrical installations, many faults manifest themselves in a localised build up of heat, which over a period of time result in failure, and even fire. Electrical Installation And Appliance Testing UK Ltd offer a wide range of services essential to ensure the trouble free operation of electrical installations and equipment. Most faults can be detected by infrared Thermography Problems identified early can normally be remedied by tightening a connection bolt, replacing a bearing etc, rather than suffering a failure that will result in down time and costly inconvenience.

Early detection of machinery faults can avoid the costly repercussions of failure. Replacement of items such as faulty bearings before further damage leads to extended equipment down time, for example, will amply repay the costs of regular condition monitoring. The running costs due to heating losses alone can be considerable. Regular thermographic surveys can detect areas of excessive heat loss, both in the boiler room, and the building structure. Areas of deterioration due to leakage or condensation damage to insulation etc can be detected before the inevitable structural damage manifests itself.

On completion of the Thermographic survey our specialist windows based software produces full analysis in a format suitable for both engineers and health and safety departments alike on either hard copy or CD Rom. All documentation is produced to ISO 9001 standards and backed by free technical advice. For a free no obligation quotation or further information please contact our technical department.



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