High Voltage Earthing

Audits and Design Services

During a high voltage earth fault, the voltage rise on the soil surface can be a significant issue and in some cases fatal. Do you know if your power installation is HSE compliant and can you ensure the safety of your staff during a high voltage earth fault?

A detailed earthing system audit that is undertaken by our experts will provide you with the confidence that a safe environment is in place to protect both personnel and your electrical equipment. These surveys are an essential part of maintaining a healthy High Voltage Network.

Each survey is undertaken in line with BS EN 50522:2010 and BS 7430:2011. This will ensure that the legal requirements of The Electricity at Work Regulations 1989 are met.

Benefits

- Legal obligations met
- Minimise risk to personnel and assets
- Independent and detailed audits
- Fully conversant with British Standards

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High Voltage Earthing Survey

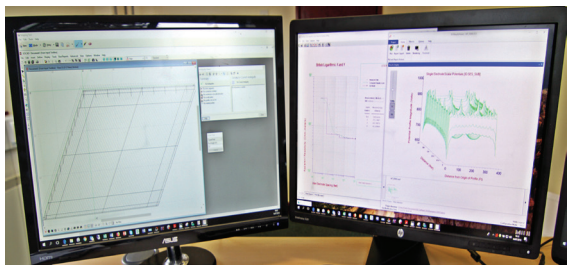
A standard HV earthing survey will typically include the following:

- Confirmation of Site Resistance
- Full Site Continuity Measurements
- Touch Potential Measurements
- Visual Assessment of all above ground earthing

Following a site survey, the data is compiled at our Wrexham office to provide a detailed report in relation to BS EN 50522:2010. If required we will advise on any measures required to ensure a safe environment during a high voltage earth fault.

Earthing Design Services

When building or upgrading new high voltage electrical services, one of the most frequently overlooked elements of the design is confirmation that the appropriate high voltage earthing system is in place to safely mitigate against all possible electric shock hazards.



Our Principal Engineer has many years of industrial earthing design experience and we use the latest and most accurate computer modelling software to ensure compliance with the relevant British Standards. Not only can we offer an independent and most cost-effective earthing design, we can also call upon our skilled installation team to create a painless "one stop" design and install approach. All services are kept within our in-house capabilities.

From comprehensive soil resistivity measurement, substation design and creation of detailed CAD drawings we will also undertake final commissioning tests to confirm all predicted values. Our experts will ensure a painless route from the initial substation design to the final formal sign-off via a series of commissioning tests once the earthing system has been installed.

Key contact Information

To request a quotation or further information please contact

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