

Earthing Studies

Commercial Engineering Services

National Grid are world leaders in research and development in the technical area of earthing. We are invested in working with the UK Health and Safety Executive and many industrial, academic and legislative bodies to understand and deal with any possible issues around earthing.

Without earthing, the operation and performance of many systems would be impacted, possibly endangering people's lives. Therefore, National Grid aim to mitigate such risks through considering and applying an increased focus on:

- Power system fault studies
- Protection configurations
- Soil property analysis
- Interconnected electrodes
- Third party/utility supplies

- Ground surface finish i.e. stone chipping, tarmac or bare soil
- Using field analysis tools to solve the simulation problems.

National Grid can offer our customers a whole suite of earthing work, particularly in relation to technical information on existing systems, studies and policy consultancy. We provide Earth Potential Rise testing, which includes determining the earth return current for a given customers required location. We will then produce a report and assessment of these results.

If you wish to discuss any aspect of earthing, please contact the Commercial Engineering Services (CES) team via the enquiry form on our website www.nationalgridces.com or call us on 0800 783 9228.

High Voltage Engineering Specialists

A unique combination of experience and expertise





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