

Engineering and Consultancy Solutions

Workplace Assessments of Electric and Magnetic Fields (EMFs)



Who for

If you own or develop High Voltage (HV) electricity assets, are planning a development close to electrical assets or have a company with equipment that generates EMFs, you may require specialist advice. Our environmental engineering specialists are here to assist you in managing EMFs associated with HV transmission assets and other EMF management issues.

Why choose National Grid

- **We are experts:** Our team of specialists are industry experts in understanding, resolving and communicating EMF issues; from achieving legal compliance, approaching policy level issues to finding practical solutions for your business. Our specialists are chartered and members of professional institutions including **The Royal Society of Biology** and **The Institution of Environmental Sciences**.
- **Legal EMF compliance:** Our team of experts will provide step by step advice on how to comply with the UK EMF legislation with particular consideration for staff with pacemakers or who are pregnant <http://www.hse.gov.uk/radiation/nonionising/emf.htm>
- **Innovative solutions:** We are actively engaged in cutting edge research including:
 - biological thresholds of EMF.
 - occupational exposure between high EMF and disease outcomes.
 - evaluating the uncertainty in childhood leukaemia and magnetic field exposure.
- **International reputation:** We follow independent policies and guidance, ultimately to protect members of the public and we are proud to sit on several industry standards committees such as: **CENELEC**, the European committee responsible for standardisation in the electrotechnical engineering field; **ENTSO-E**, the European steering group for EMF issues, and **CIGRE**, a global community that collaborates and shares power system expertise.
- **Design specifications:** We can advise on EMF specifications for new equipment to ensure compliance with EMF requirements and prevent associated issues such as microshocks.
- **Developing new electrical infrastructure:** We can support you through the process of obtaining consent, including the required assessment and information in your Environmental Statement, and answer questions during the consideration of your application.
- **Expert witness and cross-examination on EMFs**
- **Stakeholder communication:** If you are consulting with the public, we can help manage your stakeholder communications to ensure complex and sensitive EMF issues are effectively handled.

Our solution

- **Electric and Magnetic Field Assessment:** We can measure and calculate EMFs from electrical assets to ensure compliance with Government exposure limits.
- **Compliance with regulations:** If you are an employer, you will need to ensure that you are compliant with the new 2016 Regulations. We can provide the necessary guidance and documents to achieve compliance and keep every member of staff safe.
- **Property Development issues:** If you are developing a site for residential use, you will need to consider the public exposure limits, what information you need to provide in your planning application, and what the impact might be on saleability. We can help with all aspects of EMF management for your site.

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