

Protecting critical assets and life from
the harmful effects of High Voltages
and Lightning globally, since 1995



greymatters

Capabilities Brochure

INTELLIGENT PROTECTION FOR YOUR HV EARTHING DESIGN

DESIGN SERVICES

Technical secure designs using the latest software modelling tools by fully qualified top 1% professional engineers - Let us do the work so you don't have to. Relax, you're in safe hands.

SPECIALIST TRAINING

Engaging in online and real-world training to upskill you and your team. Flexibly delivered in a way to suit you.

SPECIALIST SOFTWARE

Using the latest software tools can give you previously unthought-of insights to help inform project-technical and investment decisions - Let us guide you through the maze. Lean on our years of experience so that you can perform and shine.

Easy to work with earthing consultants

Design of technically secure solutions using the very latest best practices and software tools.

3 reasons why you should choose GreyMatters for your next Electrical Earthing Design....



GUARANTEED SOLUTIONS

There are a number of things GreyMatters aims to do really well, and we are prepared to back those up by offering a guarantee on Protection, Earthing, and Lightning solutions.



SPECIALIST KNOWLEDGE

GreyMatters are absolute specialists, with over 25 years of sector experience, and fully accredited top 1% Earthing Consultancy in Europe. There isn't a problem we haven't seen and solved while making sure your system is compliant with the latest IEC, and IEEE/electrical regulations.



INCREDIBLY EASY TO DEAL WITH

Real people, real answers...in real-time! The whole operation is geared up to make your experience a painless one. End-to-end transparency, live process updates to remote online video support. Choose a way to engage that suits you - easy expertise when you need it in Earthing system design.

SECTORS

- Energy
- Utility
- Data Centre
- Railway electrification
- Large-scale generation
- Pharmaceutical
- Defence
- Nuclear
- Airport



EARTHING DESIGN

Greymatters Earthing Design Services, an Earthing System professionally designed to ensure the safety of personnel and equipment in and around the project.

Risk Assessment Surveys and measurements for substations or generation schemes on voltages from 11kV to 765kV are undertaken by our highly qualified specialist engineers.

Knowing the condition of your earthing assets is vital to allow you to make 'informed' decisions on PRIORITISING budget spend. Poor earthing system condition prevents transformer PROTECTION systems from initiating properly.

GreyMatters provides a total end-to-end solution

Let our engineers take the earthing risks off the table for your high-value critical asset or project. You're in safe hands! - Compliance comes built-in, to IEEE and/or IEC standards allowing you to focus on other priorities.

STUDIES

- Rise of Earth Potential modelling (EPR)
- Fault investigation and Risk Assessment
- Electrical Earthing Design Verification
- Electromagnetic Interference (EMI)
- Clean Earthing and noise investigation
- Soil Resistivity
- Remote monitoring
- Hot-Site assessment
- High Voltage Electrical Earthing Design
- System Modelling and Simulation
- Pipeline interference - corrosion
- Impressed voltage EMF safety
- High frequency/transient analysis
- Training

FIELD WORK

- Onsite Survey and Assessment
- Onsite Audit
- Onsite Commissioning
- Soil Resistivity
- Earth measurements

SURVEYING

LIGHTNING PROTECTION

Greymatters Global are Lightning Protection Design Consultants. So, if you have a concern about Lightning striking your high-value or critical asset. Then you're in the right place. Understanding the risks posed from Lightning is a fundamental requirement of our process.

Risk assessment and design are undertaken to ensure both the lightning protection and earthing systems can be safely integrated.

Using SPECIALIST software, we can also model the effects of a lightning strike on a structure, piece of equipment, or substation.

Discuss your next project

Talk to one of our experts to get your next project underway and reduce project risk

PART OF THE



GROUP OF COMPANIES



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