

# AURORA

## POWER CONSULTING

Your Power - Our Knowledge

### **Aurora**

Aurora Power Consulting is a leading independent power systems consultancy, based in the UK. We provide specialist power systems analysis, HV / EHV earthing design and analysis, HV / EHV design and general consultancy services.

Aurora operates several comprehensive power systems analysis software packages including ETAP, DIgSILENT Powerfactory, PSCAD/EMTDC and EMTP-ATP. We operate both CDEGS and XGSLab for earthing studies and analysis.

### **Water Industry Capabilities**

Aurora Power Consulting can offer a wide range of studies and services for the Water Industry, including concept development, advice on renewable power integration and support detail design stages. Typical services we offer can include:

- Concept development
- Protection scheme design
- Loadflow and reactive power flow studies
- IEC 60909 Short Circuit / Fault studies
- ENA G5.5 harmonic analysis studies
- P28.2 Voltage Fluctuations and Disturbance
- Protection coordination studies
- Arc Flash studies
- IEC 60071 - Insulation Coordination
- Transient Recovery Voltage (TRV) calculation and analysis
- Earthing Design and Analysis using either CDEGS or XGSLab