



britishpower[™]
international

Power Systems

design and advisory solutions to the power sector

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We perform the expert evaluations needed to plan, design and operate a power network. **Our expertise is energy. Our focus is power. Our reach is worldwide.**

british power international™ look at every aspect relating to the performance, reliability, stability and adequacy of a power network. By carrying out all the system studies needed we can ensure that you not only meet present load growth, but also future requirements.

We have a strong team of self-motivated, highly qualified and highly experienced engineers specialising in the design of power networks. Together they have performed many successful projects for power sector utilities such as generation, transmission and distribution companies, particularly in the area of power system planning and renewable generation connection. It is thanks to their dedication, that we have built a strong reputation with our clients for delivering the best solutions - on time and to their complete satisfaction.

We provide a full range of power system consultancy services

- Renewable grid connection high level assessment and system studies
- Transmission and distribution network planning studies
- Distributed and embedded generation network studies
- Industrial power systems studies
- Power quality and harmonics analysis
- Protection co-ordination studies and protection relay setting calculation
- Lightning risk assessments
- Grid Code compliance studies
- Soil resistivity measurements
- Complete earthing design of wind farm and substations
- Arc-flash hazard studies

Some of the projects BPI has undertaken over recent years

- Middlemoor Wind Farm grid connection studies
- Hinkley Point-C system studies
- Saudi Electricity Company (SEC) power loss study
- National Guard Health Affairs (NGHA) distribution planning studies
- Ministry of Defense London Whitehall site survey and protection co-ordination study
- Michelin Wind Farm grid connection studies
- Mid Wales Wind Farm grid connection system studies
- Master plan study of power system network in Himachal Pradesh, India
- Chapelcross Power Station protection co-ordination and earthing studies
- Fen Farm harmonic assessments
- P & G site survey, protection co-ordination and arc-flash hazard studies

All studies are carried out by the prevalent software, such as DigSILENT PowerFactory, CYME, ERA ERACS, IPSA, AMTECH Protect HV, Strike risk and CDEGS

Our clients include DNOs, UKPN, EDF Energy, SPEN, Ministry of Defence, Saudi Electricity Company, National Guard Health Affairs, Freedom Agrilek, Freedom, Ecotricity, Michelin Tyres plc and Himachal Pradesh State Electricity Board.