



Protection Systems

design and advisory solutions to the power sector

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It is essential that all electric networks are protected against failures in their electrical power system through the isolation of any faulted part. We can ensure that your protection system safeguards assets and ensures uninterrupted supply.

Our expertise is energy. Our focus is power. Our reach is worldwide.

The components of a safe and reliable protection system are made up of, but not limited to, Current and Voltage Transformers, Circuit Breakers, Auxiliary Supplies, Telecommunications Equipment, Control Circuits, and Protective Devices such as Relays, Auto Reclosers and Monitoring Equipment for post event analysis. At british power international, we understand the importance of safeguarding each and every one.

Our experience

Our dedicated team of highly qualified protection specialists have many years of experience in designing protection systems for a range of clients including DNOs (UKPN, SPEN, Central Networks, ENWL) Ministry of Defence and Saudi Electricity Company. Over this time they have built strong relationships with them in order to deliver the best solutions to meet their exact requirements.

Our team's innovative approach to new technologies ensures that their comprehensive capabilities are both flexible and adaptable enough to meet your individual needs.

Our services

The services which BPI provides for protection systems are:

- Protection and control technical specifications
- System single line diagrams
- Tripping logic diagrams
- Circuit diagrams
- Integration design for equipment to new or existing primary equipment
- Wiring diagrams
- Panel layout design

Case Study

- Nestle – 24MVA supply to a commercial/industrial site close to Burton Upon Trent. Specification included the 33kV and 11kV switchboard panels and the 33/11kV transformers. The scope of electrical works encompassed protection, cable requirements, metering arrangements, auxiliary supplies, SCADA equivalent indications, alarms and analogues and relay panels.