

Protection Co-ordination Study for BT Faraday Building

Background



24seven, formed in April 2000, operates and maintains the local electricity distribution network in London, East Anglia and the South East on behalf of the network owners, London Power Networks (LPN), Seeboard Power Networks and EPN Distribution Ltd (EPN).

24seven installed electrical supplies to the BT Faraday building in London. The building houses a significant amount of IT equipment and as such the reliability of electrical supplies was critical. It was therefore important that the protection scheme provided fast, effective and selective fault clearance. ERA conducted loadflow and protection co-ordination studies.

24seven is an example of a company with the in-house capabilities to have carried out the above work. However in this instance they sought outside assistance due to resource limitations.

Client: 24 Seven Contract Services Ltd

Location: UK

Services Provided:

ERA provided protection settings for all overcurrent devices from the BT 11kV point down to the incomer to 415V distribution switchboards.

Benefits:

- Reliable protection system to safeguard equipment and site personnel.
- An electronics database of the electrical network.
- Assistance in achieving project timescales.

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