

Power System Services

myElectrical Engineering offers electrical design, studies, review and expert testimony for power systems.

Power Distribution System Design - providing both utility and private client design from concept design, through detailed design to commissioning and problem-solving. Some large projects we have dealt with include distribution within large cities and special economic/development zones and the master planning of large infrastructure schemes.

Industrial Power System - extensive experience of power distribution systems in relation to industrial facilities. These include petrochemical, traction power, large scale mining and material handling operations, airports (both green field and operational) and large water pumping stations.

Power System Studies - utilising state of the art software (ETAP, EMTP-ATP, MatLab), we can carry out a variety of systems studies to verify the correct operation of electrical, including:

- Load flow, short circuit (IEC & ANSI) and voltage drop
- Cable dimensioning (BS 7671, IEC), thermal analysis (IEC 60287 & Neher-McGrath)
- Power Factor Correction, transformer inrush, harmonic analysis and filter design
- Transient analysis, power quality, motor starting and acceleration
- Protective device coordination & discrimination
- Low voltage (Earthing and Electrical Shock) to BS 7671, 400 Hz systems
- Renewable sources (wind and photovoltaic), hybrid energy systems
- Earth [ground] system design, arc flash analysis , system reliability

How We Can Help

- Offer expertise client may not have
- Relief from time constraints
- Staffing flexibility
- An objective outside opinion
- New ideas
- Speed and efficiency
- Objective assessment



For more information, please contact us or visit our website at: myelectricalengineering.co.uk.