Aisha Kassam

Electrical Design Engineer

Derby | 07700 900265 | aisha.kassam@example.com | IEng MIET

Profile

Electrical engineer with seven years in power systems, five of them designing low voltage and 11 kV systems for solar farms and battery storage. Draws single-line diagrams and cable schedules in AutoCAD Electrical, sizes cables and protection in ETAP, and estimates cost and programme for tenders. Registered as an Incorporated Engineer with the IET in 2024. Looking for a lead electrical engineer post on renewable energy projects.

Experience

Electrical Design Engineer | Peakline Energy Engineering, Derby | 2021–present

- Designed the LV and 11 kV systems for 14 solar farms and 6 battery storage sites, from 5 to 49.9 MW.
- Draw single-line diagrams, layouts and cable schedules in AutoCAD Electrical, and size cables, earthing and protection in ETAP.
- Estimate cost and programme for each tender with the commercial team.
- Check every design against BS 7671 and the network operator’s connection requirements.
- Witness factory and site tests of switchgear and transformers, and sign off the results.
- Co-ordinate cable-laying contractors and commissioning technicians on site.

Graduate Electrical Engineer | Trent Rail Electrification, Derby | 2019–2021

- Two-year graduate scheme: design checks for depot power supplies, and site placements with the installation teams.

Education

MEng Electrical and Electronic Engineering, 2:1 | University of Elmbridge | 2015–2019

A levels: maths, physics and further maths | 2015

Skills

- AutoCAD Electrical and ETAP
- Cable sizing, earthing and protection studies
- BS 7671 and network connection requirements
- Cost and programme estimates for tenders
- Factory and site acceptance testing

Additional information

Incorporated Engineer (IEng), Member of the Institution of Engineering and Technology, 2024. Full UK driving licence for site visits across the UK.