

HASLAN AHAMED

Electrical Engineer

Summary

Electrical Engineer with 7 years of hands-on experience in design, load calculations, and maintenance of electrical systems for thermal power plants, airports, schools, and residential buildings. Skilled in preparing electrical drawings, conducting fault analysis, and performing preventive and corrective maintenance. Strong knowledge of LV/HT systems, technical standards (IEC, NEC), safety compliance, and enhancing system reliability

SKILLS

- EPLAN Electric P8 – Electrical schematic design, control panel layout, wiring and single-line diagrams, cable/terminal planning
- AutoCAD - Electrical schematics, panel layouts, and single-line diagrams
- MS OFFICE - Excel, Word, and PowerPoint for reporting and documentation
- PLC PROGRAMMING - Ladder logic, SCADA integration, and automation control
- DIALux - Lighting design, calculations, and layout planning

LANGUAGES

English | Advanced

Hindi | Beginner

Arabic | Beginner

CERTIFICATIONS

- MEP Quantity Surveying
- AutoCAD Electrical

EXPERIENCE

Maintenance Electrical Engineer (Airport)

Oct 2021 – Oct 2025

Saudi Arabian Trading & Construction Co. (Saudi Arabia)

- Performed troubleshooting, parameter configuration, programming, testing, commissioning, and maintenance of VFDs including SINAMICS V20, Altivar 71, and ACS550 for industrial motor and process control applications
- Executed commissioning, preventive maintenance, fault analysis, operational testing, and load bank testing of AXA Power Ground Power Units (GPU)
- Conducted motor maintenance on SEW Eurodrive across PBB & BHS, including insulation resistance (Megger) testing, winding resistance measurement, bearing condition assessment, thermal imaging, current draw analysis against nameplate rating, encoder feedback verification, and coupling/alignment checks
- Performed PLC-based system troubleshooting, root-cause analysis, loop testing, and maintenance of sensors, I/O modules, wiring, and control logic modified existing ladder programs in Siemens S7-300 and S7-1200 PLC systems
- Designed, installed, and commissioned UPS systems, including power wiring, load integration, system configuration, and battery bank sizing calculations

Electrical Engineer

Jan 2018 – Jan 2020

Arabilla Trading & Contracting (Qatar)

- Designed electrical system for a G+4 residential building, including load calculation, cable sizing, breaker selection and coordination, generator sizing, MDB design, and cable routing layout, Load Scheduling BOQ preparation
- Developed and installed Honeywell fire alarm systems, including detector layout coordination, panel configuration, and alarm device integration
- Installed and commissioned Hikvision CCTV systems with NVR-based recording, including camera layout planning, IP network configuration, recording parameter setup, storage configuration, and system integration
- Developed lighting layouts in DIALux evo from architectural drawings and performed lux level calculations and lighting simulations for indoor and outdoor projects
- Performed electrical maintenance and monitoring of BMS systems for HVAC plant monitoring and control in a school premises, including AHU, FCU, chillers, cooling towers, and pumps

Junior Electrical Engineer

Sep 2016 – Nov 2017

BIO Energy Solutions (Srilanka)

- Executed pre-startup insulation resistance tests on transformers, motors, and LV/HT cables, verified circuit continuity, and analyzed earth fault paths
- Performed preventive maintenance during plant running conditions on transformers, alternators, switchgear, and distribution panels, including thermal scanning, load monitoring, vibration/noise observation, and abnormal condition checks
- Conducted preventive maintenance and fault diagnosis on APFC panels and capacitor banks, including contactor inspection, power factor relay checks
- Assisted in preventive maintenance of power transformers before plant startup, including bushing cleaning, oil level checks, and busbar and cable connection tightening
- Performed no-load and full-load testing on HT motors and critical auxiliary motors, including Induced Draft (ID), Forced Draft (FD), and Primary Air (PA) motors
- Tested and calibrated overcurrent, earth fault, differential, and distance protection relays using secondary injection and relay test kits

EDUCATION

Bachelor Of Electrical & Electronics Engineering
Lincoln University Malaysia (2025)

Advanced Diploma in Electrical and Electronics Engineering
City and Guilds (2017)