

Mohamed Adel Shafei

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Electrical Site Engineer | Electrical Technical Office Engineer | Electrical Design Engineer

Electrical Site Engineer with hands-on experience in MEP site execution for residential construction projects. Proven ability to supervise electrical installations in compliance with approved shop drawings and safety standards. Experienced in site coordination, material follow-up, inspections, and quality control to ensure smooth execution and minimize rework. Strong technical foundation supported by offline and online training in electrical design, shop drawings, light current systems, and good knowledge of industrial automation. Motivated to grow within a professional contracting environment with a focus on site execution, testing, commissioning, and project handover.

Competencies

Electrical Site Execution - Electrical Installations Supervision - Site Coordination - Shop Drawings Review - Technical Office Coordination - Quality and Safety Compliance - Material and Quantity Control - Testing and Commissioning.

Work Experience

Electrical Site Engineer | Harbi Nazeer General Contracting Company

Oct 2025 – Dec 2025

Job Description:

- Site Execution:** Supervised on-site electrical works in accordance with approved drawings and specifications.
- Quality Compliance:** Ensured electrical activities complied with materials specifications and quality standards.
- Work Compliance:** Executed works per approved BOQ and prepared installations for consultant inspection.
- Material Management:** Followed up electrical materials and quantities to support continuous site progress.
- Site Coordination:** Coordinated with civil, mechanical, and architectural teams to avoid execution conflicts.
- Safety Compliance:** Ensured adherence to electrical safety regulations and site safety procedures.

Training - Internships

Electrical Engineering Trainee | The Egyptian Company for Metro

Aug 2024

- Power Distribution:** Gained exposure to electrical power distribution systems used in metro operations.
- Electrical Safety:** Applied electrical safety practices within operational metro environments.
- Automation Systems:** Observed PLC based automation and signaling systems in metro infrastructure.

Electrical Engineering Trainee | Shoubra El-Kheima Power Station

Jul 2024 – Aug 2024

- Power Generation:** Exposure to steam and gas power generation units and operating principles.
- Protection Systems:** Exposure to protection systems, transformers, and substations components.
- Electrical Safety:** Followed electrical safety regulations and observed power grid operation practices.

Electrical Engineering Trainee | Cairo Electricity Production Company

Jul 2023

- Electrical Machines:** Exposure to motor winding, maintenance procedures, and operation of electrical machines.
- Power Distribution:** Practical understanding of electrical distribution systems, transformers, and cable networks.
- Control Fundamentals:** Studied classic control principles, basic PLC concepts, and introductory SCADA systems.

Courses and Certifications

Advanced Diploma | Eduneers Education for Engineers

Jul 2024 – Oct 2024

Training Description

- Electrical Design:** Learned electrical design fundamentals and basic application according to standards.
- Technical Office:** Trained on shop drawings preparation, design review, and execution coordination basics.
- Light Current Systems:** Studied fire alarm, CCTV, and low-voltage system design principles.
- Site Implementation:** Gained understanding of electrical site execution workflows and coordination.
- Tendering and BOQ:** Learned quantity take-off, BOQ preparation, and basic cost analysis concepts.

Training Description

- **Classic Control:** Classical control circuits, sensor types, connections, and industrial applications.
- **PLC Programming:** Practical exposure to PLC programming across multiple platforms and environments.
- **Motor Drives:** Fundamentals of electric motor operation and motor drive programming.

Educational Qualifications

Bachelor of Electrical Power and Control Engineering (BSc)

Faculty of Engineering at Shoubra - Benha University

Oct 2020 – May 2025

- **Graduation Project:** “ Energy and Water Consumption Rationalization for A Motorized Pumping Unit Fed by Solar Cells System using SCADA and IOT Control Systems ”.
- Graduation Project Grade: **A+**

Skills

Technical Skills:

- DIALux evo | AutoCAD Design | Shop Drawing | Electrical Implementation | ETAP | Ecodial | Light Current Systems | Tendering.
- Classic Control | EKTS | CADe | EPLAN Electric P8 | PLC Programming | LogixPro | SIMATIC Manager | Siemens TIA Portal | Factory IO | WinCC Flexible 2008 | Electric Motor & Drive Programming.
- MS Office | MATLAB | Proteus | Arduino | PV System.

Soft Skills:

- Problem Solving | Communication | Teamwork | Time Management | Self Learning

Languages

- Arabic: Native
- English: Good

Volunteering

EIT Automation Member | Faculty of Engineering at Shoubra

Jul 2024 – Aug 2024

Automation Tasks Development: Designed, tested, and validated automation tasks used for student assessments, ensuring technical accuracy and alignment with learning objectives.