

Abdallah Nagah Afia

Electrical Engineer

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PROFILE

Electrical Engineer with over three years of experience in designing, executing, and managing electrical systems for a wide range of projects, including industrial complexes, universities, and medical and research facilities. Specialized in electrical installations, ensuring compliance with safety and quality standards, and optimizing system performance for maximum efficiency.

Proven track record of effectively managing projects from planning to delivery, with strong skills in coordinating with consultants and stakeholders to ensure timely and high-quality outcomes.

A certified member of the Saudi Council of Engineers, dedicated to applying the highest industry standards and delivering innovative and efficient solutions.

EDUCATION

Bachelor in Electrical Power Engineering
Higher Institute of Engineering, Al-Shorouk Academy

2020 | Cairo, Egypt

PROFESSIONAL EXPERIENCE

Tawaabeq Al-Emaar Medical Contracting Company
Electrical Engineer

Nov 2024 – Present
Riyadh, Saudi Arabia

As an **Electrical Engineer** at Tawaabeq Al-Emaar Medical Contracting Company, I specialize in designing and executing electrical systems for advanced medical projects.

#Projects

• King Saud University Medical City (KSUMC) :

- Neonatal Intensive Care Unit (NICU): Managing the design and implementation of electrical systems for power, safety, and critical operations in neonatal isolation rooms, ensuring optimal operational efficiency and full compliance with medical standards.
- Cytogenetic Laboratory: Supervising the design and execution of advanced electrical systems for the genetic laboratory, with a focus on reliable power distribution and implementing specialized electrical requirements tailored to the laboratory's needs.

• National Center for Sustainable Agriculture Research and Development (Estidamah):

Leading the design and execution of electrical works for the center's laboratories, including power distribution systems, lighting, and integrated electrical solutions to support the smooth operation of advanced research equipment.

AVECO For Electromechanical Constructions Company

Sep 2023 – Sep 2024
Benha, Egypt

Electrical Engineer

- Served as the lead engineer for the "Central Laboratories Building - National University in Menoufia" project.
- Managed site inventory, expenses, procurement, and overall project budgeting.
- Coordinated deliverables with the consultant to ensure compliance with specified standards.
- Oversaw the installation and commissioning of lighting, power, fire alarm, CCTV, and access control systems.
- Successfully handed over the project to the Ministry of Higher Education.

El-Shourbagy for general contractors company

Apr 2022 – Aug 2023
Sheraton, Egypt

Electrical Site Engineer

- Site engineer for the "Gifgafa Industries Complex In Sinai Zone (6)" project, overseeing execution and handover with the consultant.
- Managed the construction of key facilities: 4 prison dormitories, training and repair workshop, service building, visiting and reception building, substation, 2 km of outer fence, inner fence of Zone (6), 2 security rooms, and a mosque.
- Installed and commissioned systems: lighting, power, fire alarm, CCTV, access control, and public address.

SKILLS

Soft Skills

- Effective Communication & Presentation
- Teamwork & Collaboration
- Adaptability & Problem Solving
- Leadership & Team Management
- Time Management & Project Coordination
- Critical Thinking & Innovative Solutions
- Technical Troubleshooting & Electrical Systems Analysis
- Compliance with Standards & Safety Regulations

Hard Skills

- Building Management Systems (BMS)
- PLC
- AUTOCAD
- Dialux
- Distribution Systems
- Protection and Control Systems
- Technical Troubleshooting & Electrical Systems Analysis
- Compliance with Standards & Safety Regulations
- Automation Technology Solutions (ATS)

COURSES

Diploma in preparing engineer for design and maintenance of control panels

Jul 2020 – Oct 2020 | Cairo, Egypt

Automation technology solution (ATS)

The diploma includes various branches such as :

Classic control-Soft starter-AC drives -Hazard area protection-Low voltage protection-PLC-Cables-ATS.

LANGUAGES

Arabic — Native/Bilingual

English — Proficient