

Ramy Kotb

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❖Military Status: Exempt

Electrical Engineering Graduate with Hands-on Experience in Low Voltage Distribution Panels and Electromechanical Works. Passionate about Sustainable Technology and Continuous Learning.

EDUCATION

Faculty of Engineering, Ain Shams University

September 2024

BSc in Electrical Engineering, Energy and Renewable Energy Engineering Department

Graduation Project: Maximum Power Point Tracking of PV Modules (Grade: A+)

- Implementation of Maximum Power Point Tracking of a PV module using modern techniques
- Analyzed the performance of various MPPT techniques under diverse operating conditions
- Simulation and observation of the results of various techniques such as P&O, IncCond, FOCV, and FSCC

WORK EXPERIENCE

Giza for Electromechanical Works

Sep 2024 - Present

Technical office engineer

- Preparing shop drawings of main distribution boards, lightning panels, and control panels using AutoCAD.
- Selection of electrical components such as breakers, contactors, relays with suitable ratings according to the SLD and technical specifications provided by the consultant.
- Coordinated with suppliers and prepared purchase orders (POs) for instrumentation, cables, pumps, lighting poles, and other equipment.
- Oversaw timely delivery of equipment and maintained communication with site engineers to ensure operational efficiency.
- Calculated and selected cable sizes based on station load and voltage drop considerations.
- Ensuring compliance of components to accredited technical specifications and testing criteria of the National Organization for Potable Water and Sanitary Drainage "NOPWASD"

COURSES & TRAININGS

- Panel Building & Motor Drive Control – HA Academy (In Progress)
- Classic Control & PLC - HA academy (Sep 2024- Dec 2024)
- HVAC Training – TRANE (2021)
- **Energy Managers – Facility Managers – Conducted by Energy University – Schneider Electric (2020)**
- **EF-SET English proficiency C2**

SKILLS & CORE COMPETENCIES

- Autodesk Inventor 3D Modelling and Simulation
- MATLAB & Simulink
- AutoCAD
- Microsoft Office Suite

Adaptability – Quick learning – Resilience – Critical Thinking

All References are available upon request