

AHMED SAEED FATHALLA ALI

Engineer

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📍 El Amreya, Alexandria, Egypt

ABOUT ME

Electrical Power and Machines Engineer with extensive practical experience in designing implementing and maintaining various electrical systems Bachelor's degree in Electrical Engineering with in-depth knowledge of electrical distribution systems motors and generators

EDUCATION

University : Faculty of Engineering Alexandria University

Specialization : Department of electrical power and machines

Graduations : July 2018 Total grade : good

Appreciation : 72%

Project : Power Transformer Design& Power System Distribution

Project degree : Excellent

EXPERIENCE

I have been working at Power Engineering Works Company for **3 years as a Site electrical engineer and technical office** :

- Designed and installed industrial boilers up **to 25 tons** capacity, including the development of custom control circuits. Also performed maintenance on associated industrial burners, including **steam** and **thermal oil boilers** from brands such as **Standard Kassel** and **Weishaupt**.
- Experienced in measuring and **analyzing boiler exhaust gases** to assess combustion efficiency, reduce emissions, and optimize boiler performance.
- Designed **load curves** for boiler systems to ensure efficient energy management and responsive load handling.
- Extensive experience in designing and implementing power and **control panels**, as well as control circuits using **Classic PLC Control** Systems.

- Executed the design and installation of electrical and control cabling systems for factories, including:
 - **Low voltage** power cables
 - **Medium voltage** power cables
 - **Control** and **communication** cables
- **Designed** and implemented conventional fire alarm systems and fire suppression systems using **FM200** and **CO2** gases.
- Installed and connected **fiber optic cables** to control systems **and CCTV surveillance networks**.
- Participated in the electrical installation and commissioning of industrial facilities, including the design of associated industrial control systems.

Electrical engineer at Alexandria for polymers :

industries for a period of 3 years Experience in **control panels maintenance, plc maintenance** maintenance production lines and sensors maintenance

TRAINING

- Training course at Sidi Kerir Petrochemicals Company (2015)
- Training at Amreya Cement Company (2017)
- Training at Alexandria Electricity Distribution Company (2016)
- Training at LORD Company (2017)
- Training course on Communication Skills Workshop (2015)

COURSES

- Training course on Power Systems **Distribution** (2018).
- Training course on Classic Control, AC Drives, PLC and SCADA (2018).
- Training course on SIMATIC S7 PLC 300/400 (2016).
- Training course on PCB (2015).
- Training course on basic and advanced plc(2023).
- Training course on HMI(2023).

COMPUTER SKILLS

AutoCAD 2016 (Good) , **EKTS** program (Excellent)

Logixpro program (Good Very good) , Microsoft word (Good)

ETAP program (Good) , **SIMATIC S7** program (Good) , Microsoft Excel (Good)

Lighting calculations (Dialux) (Very Good) , Matlab program (Good)

Eplan design (Good) , Microsoft PowerPoint (Good)

LANGUAGE

Arabic mother tongue

English Good in Speak , Listening , Read & Write

Military status : service completed (1 / 12 / 2019)

Date of birth : 25 / 6 / 1993