

Muhammad Hashim

Senior Electrical Engineer

 Cairo

 Mit Ghamr - Dakahliyya

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Summary


Electrical Engineer with over 4 years of experience in elevator systems maintenance, commissioning, and control panel design for elevator systems. Proficient in troubleshooting electrical faults for various elevator systems. In addition to designing and troubleshooting Industrial automation systems, including PLC programming, and motor drive systems. Seeking to contribute technical expertise and continuous improvement mindset in a dynamic engineering environment.

Work experience

Maintenance Engineer

Egypt Gulf for Elevators and Escalators (EGGEEC)


 1/12/2023 - Present


 Heliopolis Chemical Industries (Military Factory 81), Cairo - Bilbeis Desert Road, Obour City (Location: 30.1949N, 31.4244E)


- Conduct scheduled and preventive and predictive maintenance for various elevator systems to maximize reliability and extend product life.
- Replace damaged or expired components to ensure operational safety, and recommend upgrades if possible.
- Manage spare parts inventory and ensure cost-effective procurement of tools and equipment.
- Collaborate with engineering and project management to ensure compliance with quality and safety standards.
- Inspect, troubleshoot, and resolve mechanical and electrical faults.
- Supervise and train maintenance teams, providing technical guidance and performance feedback.
- Ensure adherence to health, safety, and environmental regulations in all maintenance activities.
- Review electrical schematics and document maintenance activities.
- Prepare technical reports, budgets, and maintenance documentation for managements review.

Testing & Commissioning Engineer

Egypt Gulf for Elevators and Escalators (EGGEEC)

 1/9/2021 - 30/11/2023


 Heliopolis Chemical Industries (Military Factory 81), Cairo - Bilbeis Desert Road, Obour City (Location: 30.1949N, 31.4244E)


 New Administrative capital (R6)

- Supported installation and commissioning of elevator systems for 4000+ units of same Fuji product.
- Provided technical assistance and troubleshooting during installation.
- Collaborate with engineering and project management to ensure compliance with quality and safety standards.
- Ensured installations followed design guidelines and industry standards.
- Reviewed user manuals and circuit diagrams for installation accuracy.

Entry Level Maintenance Engineer

Ash-Sherif for melamine

 20/1/2021 - 30/7/2021

 Al-Khanka

- Conduct scheduled and preventive and predictive maintenance for various machines to maximize reliability and extend product life.

Languages

Arabic

Native


English


B1


Skills


Elevator Commissioning & Troubleshooting


Including different elevator control systems

 Local elevator systems troubleshooting


 Fuji elevators commissioning and troubleshooting


 Motor Drives


 Relay Logic Control (Classic Control)


 Basic Electronics


Industrial Automation


 Relay Logic Control (Classic Control)


 PLC Siemens S7 series

 PLC Delta DVP series


 Motor Drives


 Industrial Communication

 SCADA WinCC


 HMI Siemens


Embedded Systems


 8-bit Microcontrollers (PIC - AVR)


 STM32 Families


Software Tools


 TIA portal


 SIMATIC Manager


 WinCC

 Inkscape


 AUTOCAD


 Word


 Excel


 Power Point

Programming Languages

 PLC Step7 languages (LAD & STL & SCL)

 C/C++


 ARM32 Assembly


 Python

Courses & Achievements


Industrial Automation (PLC advanced)

HA Consulting Center

 5/4/2025 - Ongoing

 Al-Abbasiyya/Cairo.

Tracks:

 PLC Advanced


 Industrial Communication

 SCADA/HMI

Industrial Automation (Classic control + PLC Basic Diploma)


HA Consulting Center

 21/5/2021 - 15/8/2021

 Al-Abbasiyya/Cairo.


Tracks:


 Classic Control


 PLC (basic)

 VVVF Motor Drives

Personal Info

 Cairo

 Mit Ghamr - Dakahliyya


 22/8/1994

- Replace damaged or expired components to ensure operational safety, and recommend upgrades if possible.
- Manage spare parts inventory and ensure cost-effective procurement of tools and equipment.
- Inspect, troubleshoot, and resolve mechanical and electrical faults.
- Review electrical schematics and document maintenance activities.

Education

Bachelor's Degree in Electrical Engineering

 Faculty of Engineering - Mansoura University.

 2013 - 2019