

# Mohammed Mostafa Abdelfatah Wahdan

## Personal Data

**Mobile No** : +201017378699, +966508378517  
**Military service** : Exempted  
**Marital Status** : married  
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**LinkedIn** : <https://www.linkedin.com/in/mohammed-wahdan-2018mmw/>  
**Date of Birth** : 29/9/1995  
**Address(Saudi)** : Fisalia ,Sakaka City,Al-Jouf, Saudi Arabia



## Professional Summery

Electrical Power Engineer with over 6 years of hands-on experience in maintenance, operation, and control systems within industrial and infrastructure projects across Egypt and Saudi Arabia. Specialized in PLC programming, RO systems, fire alarm systems, and electrical panel design. Committed to delivering efficient, safe, and reliable electrical solutions.

## Education

Faculty of Engineering Alexandria University Electrical Engineering Department (Electrical Power and Machines Section).

**Graduation Year** : 2018

**Graduation Project** : Solar Power Irrigation System Using Maximum Power Point Tracking

## Courses

- Power Systems Distribution.
- Classic Control.
- PLC, HMI, Scada
- PMP preparation course
- Motor Drives
- Microcontrollers and the C Programming Language

## Experiences

- **Operation & Maintenance Engineer ESAF limited company (Kingdom of Saudi Arabia)**  
(April 2024-Present)

### Job Description:

- Maintenance of water pump station panels.
- Maintenance of the automatic control system for RO stations
- Maintenance of sewage pumping stations
- Maintenance of well pump panels.
- Maintenance of ATS systems
- Periodic maintenance of diesel generators

- Maintenance of cables.
- Testing and operating pumping stations in housing projects.
- Maintenance of electrical distribution systems of National Water Company Buildings.
- Maintenance of fire alarm systems.
- Writing technical reports to clarify the condition of electrical equipment and systems
- Prepare and follow up preventive maintenance schedules for the electrical system to ensure that these continue to operate at optimum levels

- **Electrical Engineer at AgriT for Technology (June 2021– April 2024 ) (EGYPT)**

**Job Description:**

**Maintenance Engineer:**

- Performed routine and emergency maintenance for water treatment and fertigation systems in agricultural projects
- Diagnosed faults in electrical panels, PLCs, and field instruments
- Supervised installation and ensured continuous operation of electrical equipment

**Technical Office Engineer:**

- Designed control and power panels for fogging, fertigation, and solar energy systems
- Prepared BOQs, technical offers, and shop drawings
- Programmed and tested PLCs and HMIs for automated irrigation and environmental systems

- **Electrical Engineer at Mohammed Naguib Military Base (September 2019 – June 2021) (EGYPT)**

**Job Description:**

**Site Engineer:**

- Installation and testing low voltage underground power cables
- Installation and testing power and control panels.
- Troubleshooting electrical power and control problems with the electrical team whenever required.

**Site Manager:**

- Managed project planning, resource coordination, and execution schedules to meet standards and deadlines
- Managed daily site operations and monitored labor productivity and material usage
- Coordinated with engineers, procurement teams, and project stakeholders for smooth workflow

- **Genco for Electro mechanics systems (as a freelancer ) (EGYPT)**

**Job Description:**

- Design and Installation of fire alarm systems.

- **Electrical Engineer at Vitabiotics Egypt For Pharmaceutical industries** (supcontractor)  
( January 2019 – July 2019) (EGYPT)

**Job Description:**

- Maintenance for fire alarm system.
- Design and Installation of MCC (Motor Control Center) for AHUs (Air Handling Unit).
- Reinstalling and Maintenance for lighting systems.
- Design and Installation of Cable Trays.

## internships

- **Trainee Electrical Engineer at Sidi Krir Power Station**

Assisted in the maintenance and operational testing of steam turbine units, learned basics of power plant instrumentation, and participated in routine electrical inspection rounds.

- **Trainee Electrical Engineer at InterCement (Amreyah Cement Company)**

Gained hands-on experience in industrial motor control, participated in maintenance of MCCs, and assisted in troubleshooting and inspecting production line electrical systems.

- **Trainee Electrical Engineer at LORD International Company**

Worked on maintenance of automated production lines, helped with PLC diagnostics, and observed electrical safety practices in manufacturing environments.

## Skills

- **Language Skills:**

Arabic: Mother Tongue.

English: Very Good.

**Computer Skills:**

- AutoCAD 2D
- Dialux.
- Proteus
- TIA Portal Siemens
- EKTS