

## ABOUT ME

- electrical engineer Experienced in designing and managing complex electrical systems for large-scale projects. Expertise in installation , troubleshooting, enhancing system performance, and ensuring compliance with industry standards. Demonstrated ability to lead cross-functional teams and deliver innovative solutions within tight deadlines.

- Skilled Electrical Engineer in installation & maintenance in MV switch gear , RMU , Transformers , ATS , Generator , MCC panel , MDP , VFD , soft starter , PLC , fiber optic network & scada system , fire alarm system , fire fighting network , FM-200 , water mist system , UPS and RO plants ( water treatment plants )

## EDUCATION

### BACHELOR OF ENGINEERING: ELECTRICAL POWER & MACHINES ENGINEERING

faculty of engineering, shorouk academy / egypt / 2017

## SKILLS

MV/MV DISTRIBUTION SYSTEMS

TECHNICAL SUPPORT

ELECTRICAL DESIGNING

CABLE SCHEDULES

PROJECT LEADERSHIP

TIME-SENSITIVE TROUBLESHOOTING

POWER SYSTEM OPERATION

AUTOCAD ELECTRICAL

PLC PROGRAMMING

INSTALLATIONS AND REPAIRS

BMS AND HOME AUTOMATION

DIALOX PROFICIENT

# AHMED METWALLY

SENOIR ELECTRICAL ENGINEER



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## WORK EXPERIENCE

### IMAN-CO

RIYADH  
Jul 2024 - Present

#### senoir electrical engineer

- Electrical Design for power distribution
- installation & maintenance for substation, RMU, MV panel, MDP, SMDP, VFD, motors, ATS & generator
- installation for fire alarm system (Simplex) to ensure compliance with safety standards. Performed
- installation of water mist fire fighting (water mist system) for optimal functionality
- comprehensive maintenance for RO systems. ( water treatment plants)
- Kept project leaders regularly updated with progress, maintaining open, productive communication.

### EL NASR COMPANY FOR INTERMEDIATE CHEMICALS

Egypt  
Jul 2021 - Jun 2024

#### Electrical & Instruments Engineer

- Maintenance & troubleshooting for stean turbine generator 5 MVA
- Maintenance for Switch gears , Transformers , ATS , MDP , SMDP , MCC , VF
- Tested, validated and maintained networking services based on solution designs.

### PETROKIMA FOR ENGINEERING & CONTRACTING

Egypt  
Feb 2020 - Jul 2021

#### Electrical Site Engineer

- Operated as installation engineer for El Kayan project within new ministry of defence
- install MCC panel & fire alarm system (simeins)
- Testing and operating all systems and panels
- Carried out installations to the highest standards and within company timeframes.

### POWER TECH GROUP Egypt Nov 2018 - Jan 2020

#### Maintenance Engineer

- Managed maintenance and troubleshooting (PM and CM) of generators and power panels across all sites for Vodafone and Etisalat.
- Managed PM (maintenance) and CM (faults) for generators and power panels in Vodafone Cairo area.

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## LANGUAGES

ENGLISH

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ARABIC

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## COURSES

### DISTRIBUTION COURSE

PLC 300-400

CLASSIC CONTROL

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## INTERNSHIPS

TRAINEE ENGINEER  
EL-NASR PETROLEUM  
COMPANY

TRAINEE ENGINEER  
ATAKA POWER STATION

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## DRIVING LICENSE

Driving license category  
Category B1

CERAMIC CLEOPATRA  
GROUP  
Egypt  
Oct 2017 - Nov 2018

- Transitioned from Cairo office to Suez office as Suez area manager (Vodafone).
- Documented all maintenance activities, creating comprehensive reports for management review.

● **Electrical Maintenance Engineer**

- Regulate motor speeds
- Management of starting motor
- Maintenance of burners, production line equipment, ovens, casting machines, winches and all motors
- Investigated electrical failures, identifying root causes and implementing corrective actions to prevent recurrence.
- Conducted routine and emergency maintenance on electrical systems, improving reliability and performance.

UNIMAK

● **Electrical Installation Engineer**

- Contributed to project for installation of new El Dorado factory within Ceramica Cleopatra Group.

EL-NASR PETROLEUM  
COMPANY

● **Trainee Engineer**

ATAKA POWER  
STATION

● **Trainee Engineer**