

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 35 years of extensive experience in the operation, maintenance and commissioning of diesel power plants. Proven expertise in managing the complete project lifecycle, from construction and installation to start-up, troubleshooting, and system upgrades. Adept at handling a wide range of power units (Caterpillar, MAN, Skoda, Wärtsilä), SCADA systems, transformers and MV/LV distribution networks across Egypt, Sudan and South Sudan.

## **PERSONAL DATA**

Nationality : Egyptian  
Gender : Male  
Residence : Port Said

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, 1988

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD  
: Control Systems: SCADA systems and modern control unit interfaces

## **TRAINING COURSES AND CERTIFICATIONS**

: SF6 Circuit Breaker Operation & Maintenance – GEC ALSTHOM, France.  
: Power Cable Jointing & Pump Operation – Egypt-Jordan Unified Grid Project.  
: Transformers & Electrical Measuring Instruments – Higher Institute, South Cairo.  
: Fundamentals of Electrical Protection – Higher Institute, South Cairo.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Aug. 2022 till Sep. 2024  
**Employer** : Ministry of Electricity – Canal Electricity Distribution Company  
**Project** : South Sudan Diesel Power Plant Rehabilitation Project  
**Job title** : Senior Electrical Engineer

**Job Description** : 

- Led all electrical works for the rehabilitation and operational re-start of two (2) diesel power stations in South Sudan.
- Directed the overhaul and re-commissioning of diesel units, control rooms, power transformers, LV panels, and 11KV/400V distribution systems.
- Ensured all project milestones were met on time and within budget, restoring reliable power to critical infrastructure.

**Dates** : From Jan. 2018 till Aug. 2022

**Employer** : Canal Electricity Distribution Company, Port Said

**Job title** : Operation & Maintenance Engineer

**Job Description** : 

- Managed fault diagnosis and repair of the electrical distribution network for the city of Port Said.
- Responded to and resolved network outages, minimizing downtime and ensuring service continuity for thousands of customers.

**Dates** : From Jan. 2013 till Jan. 2018

**Employer** : Al-Takamol Cement Factory – Atbara, Sudan

**Job title** : Power Plant Engineer

**Job Description** : 

- Held full responsibility for the operation and maintenance of the captive power plant supplying the entire cement factory.
- Implemented preventive maintenance schedules, resulting in increased plant availability and reduced unplanned outages.

**Dates** : From May 2010 till Jun. 2011

**Employer** : Sabena Company – South Sudan

**Job title** : Electrical Engineer (Consultant)

**Job Description** : 

- Managed the construction and installation of two (2) new diesel power stations.
- Provided hands-on assistance and training to local teams for plant operation and maintenance, ensuring a smooth transition.

**Dates** : From Aug. 2008 till Sep. 2008

**Employer** : EMC – Beirut, Lebanon

**Job title** : Commissioning Engineer

**Job Description** : Conducted critical start-up and performance tests for an 8MW MAN unit in Beirut, ensuring compliance with all technical specifications.

**Dates** : From Jul. 2008 till Aug. 2008

**Employer** : EMC (Energy Management Company)

**Job title** : Commissioning Engineer

**Job Description** : 

- Executed the complete installation, testing and commissioning of a new power station in Wau, South Sudan.
- The project included two (2) 1.5MW MAN units, transformers and MV switchgear.

**Dates** : From Oct. 1991 till Jan. 2013

**Project** : South Sinai Power Plants (Diesel), Egypt

- Job title** : Electrical Engineer
- Job Description** :
- Managed the operation, maintenance and fault repair for multiple diesel power plants.
  - Gained extensive hands-on experience with a diverse range of units, including Caterpillar, MAN, Skoda and Wärtsilä engines.
  - Ensured 24/7 power generation and performed critical troubleshooting to minimize operational disruptions.
- Field of experience** :
- Power Plant Operations: Operation, Maintenance and Troubleshooting of Diesel Generator Sets (Gensets).
  - Project Management: End-to-end project lifecycle management, from planning to handover.
  - Commissioning & Start-up: Factory Acceptance Tests (FAT), Site Acceptance Tests (SAT) and performance testing.
  - Electrical Systems: Medium Voltage (MV) & Low Voltage (LV) switchgear, transformers and distribution networks.
  - Technical Design & Troubleshooting: Design, testing and fault finding of electrical control panels and systems.
  - Training & Development: Conducting technical training for operational teams.
  - Safety & Compliance: Adherence to international safety standards and electrical codes.