

Holds a B. Sc. in Power Engineering and has about 16 years experience working in construction, maintenance, operation, commissioning and as I&C Engineer.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 14/05/1986  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## **EDUCATION**

: B. Sc. in Power Engineering, Assiut University, 2010  
: Secondary Education: Nasser School, 2004

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: CENTUM VP Fundamentals for Engineering, Egypt (2022).  
: Electrical Power System Distribution Basic Application, Egypt (2017).  
: MY SAS & Connected ID'S, Egypt (2020).  
: PLC Basic S7, Egypt (2008).  
: SCADA Advanced Course, Egypt (2007).  
: PLC Advanced Course, Egypt (2007).  
: English Conversation Level 9.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Jul. 2016 till now  
**Project** : Assiut Thermal Power Plant 600MW (300MW Ansaldo turbine and boiler & 300MW Toshiba turbine and Mitsubishi boiler)  
**Job title** : I&C Engineer

**Job Description** : 

- Planning and technical activities related to I&C and electrical equipment at the installation, testing and commissioning, and continuously monitoring the performance of all I&C systems in order to maximize the plant's reliability and availability and minimize fuel consumption while achieving nameplate or lower fuel efficiency of the plant. Also, planning operations and maintenance activities after the completion of plant outages.
- Interfacing with the company's site and home engineering teams to define the required maintenance of the various systems/equipment and the timing and schedule for such activities.
- Monitoring and reporting on works contractors' site progress, compliance with quality requirements and compliance with document submittal requirements.
- Participating in progress review and coordination meetings with works contractors on-site or remotely.
- Supervise and perform predictive, corrective, and scheduled maintenance on low and medium voltage equipment such as, motorized valves, switch gears, motors, transformers, and generators.
- Supervise and conduct preventative, corrective, and scheduled maintenance on control systems and instruments, such as DCS, PLC, pneumatic control systems, and hydraulic control systems.

**Dates** : From Jul. 2014 till Jun. 2016

**Project** : Assiut Thermal Power Plant 600MW (300MW Ansaldo turbine and boiler & 300MW Toshiba turbine and Mitsubishi boiler)

**Job title** : Electrical Maintenance Engineer

**Job Description** : 

- Power transformer maintenance.
- Attending overhaul maintenance for the 420 MVA generator in unit.
- Attending overhaul Maintenance for Power Transformer rating 420 MVA with supervisor from ABB.
- Maintenance and Commissioning of power Center Transformer with a rating of 2 MVA.
- Perform electrical tests on the power canter transformer.
- Routine maintenance for 312MW synchronous generators.
- Maintenance of 220KV switchgear and switchyard.
- Maintenance of medium voltage and low voltage 3 phase IM.
- Maintenance of motorized valves & electric cranes and firefighting system.

**Dates** : From Jul. 2012 till Jun. 2014

**Project** : Assiut Thermal Power Plant 600MW (300MW Ansaldo turbine and boiler & 300MW Toshiba turbine and Mitsubishi boiler)

**Job title** : Shift Supervisor

**Job Description** : 

- Ensure the safe and reliable operation of the facility by ensuring all site safety and environmental requirements and procedures are properly implemented and takes corrective actions as necessary.
- Provide direct supervision and feedback on all operations, including startup, shutdown, inspection, routine chemical testing, all switching and tagging, and equipment troubleshooting, revises operating and related procedures.

- Regularly and directly assist the Plant Manager in facets of department administration and power plant management. Maintain administrative documents, preparation, justification and control of annual operations and maintenance budgets and generates reports and ensures employees are provided the tools and equipment to properly perform their work.
- Maximize plant efficiency and availability without compromising personnel and equipment safety, environmental compliance, or the long-term commercial viability of the facility.
- Available for scheduled and unscheduled shift coverage, performs tasks that require physical exertion and is expected to respond to off-hour call-ins when contacted by phone or company furnished pager or cell phone.

**Dates** : From Nov. 2011 till Jun. 2012  
**Project** : Assiut Thermal Power Plant 600MW (300MW Ansaldo turbine and boiler & 300MW Toshiba turbine and Mitsubishi boiler)  
**Job title** : Operation Engineer  
**Job Description** :

- Performing all site activities and processes such as startup / shutdown / tests / changeover from local / Isolation to ensure the unit's safe operation.
- Conducting and reporting on all turbine tests.
- Continue to mentor the unit operating to ensure optimal efficiency and equipment viability.

**Dates** : From Jun. 2010 till Sep. 2019 (part time)  
**Employer** : Prof. Abdel-Rahman Megahed Consultant Office  
**Job title** : Consultant Engineer  
**Job Description** :

- Distribution of interior lighting using Dialux.
- Calculations of voltage drop and short circuit using ETAP.
- Design of earthing and lightning arrestors.
- Fire alarm system design.
- Design of sound systems.
- Design of lighting systems inside hospitals and nurse call systems.
- Design the internet systems and distribute it correctly.

**Dates** : From Dec. 2008 till Nov. 2011  
**Project** : El-Kureimat CCPP 1500MW GE gas turbine  
**Job title** : Operation Engineer  
**Job Description** :

- For two 250MW GE gas turbines and the Mark VIE control system frame MS 9001FA start-up and commissioned.
- All plant equipment, including turbines, generators, transformers, and motors, monitoring.
- Verify that all operations-related tasks are carried out in accordance with established policies and guidelines.
- Participated in the commissioning process for a combined cycle power plant.
- Issue PTWs with Log Out / Tag Out (LOTO) systems to all contractors and subcontractors.