

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 17 years hands-on experience working in maintenance, operation, commissioning and start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 30/06/1981  
Gender : Male  
Residence : Ain Shams, Cairo

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2005  
: Secondary Education: Orman Language School, Dokki, Giza, 2000

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: HRSG operation and maintenance for Mesaieed Combined Cycle Thermal Power Plant, held at M-Power O&M offices, Mesaieed – Qatar (Jan. 2009).  
: FS9FA Gas Turbine Operations for Iberdrola Ingenierie & Construction S.A.U. Mesaieed – Qatar (Feb. 2009).  
: Mark VIe Control Maintenance by GE Energy Learning Center Salem, Virginia, USA at Mesaieed Power Facility Ras Abu Funtas, Qatar (Dec. 2008).  
: Excitation, Static Starter and Generator Protection for Iberdrola Ingenierie & Construction S.A.U. Mesaieed, Qatar (Feb./Mar. 2009).  
: D11 Steam Turbine Operations by GE Energy Learning Centre held at M-Power facilities, Mesaieed, Qatar (Mar. 2009).  
: FS6B Gas Turbine Operations by GE Learning Centre, UK for Iberdrola Ingenieria & Construction S.A.U. Mesaieed, Qatar (Nov./Dec. 2008).  
: Hydrogen Sulphide/Breathing apparatus Familiarization Course, held at Qatar International Safety Centre.

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2021 till now  
**Employer** : American Power Technology, Egypt  
**Job title** : Electrical Team Leader  
**Job Description** :

- Arab Bank of Egypt:  
RCM Team Responsibilities:
  - Predictive maintenance tasks.
  - Preventive Restoration or Preventive Replacement maintenance tasks.
  - Detective maintenance tasks.
  - Run-to-Failure.
  - Preserve system functions.
  - Identify failure modes that can affect system functions.
- Ring main unit installation (Schneider Electric):
  - ARMU installation & Mechanical inspection.
  - Insulation Resistance test & Cable Raceway Inspection.
  - ARMU function test.
  - Primary injection test in D/B function breaker including phase and earth fault detection.
  - Primary injection test in Load breaking switches (LBS).
  - Point to point IO test.
  - Medium voltage cables inspection test report.
- Electrical system repairs in HSBC Bank branches:
  - Perform Minor and major repairs in all electrical panels.
  - Power quality measurements.
  - Infra read (IR) Test to check all electrical terminations.

**Dates** : From Jul. 2016 till Dec. 2019  
**Employer** : Field Core Services Solutions International LCC (GE Company)  
**Project** : New Assiut Power Station 8x125MW (GE 9E gas turbines)  
**Job title** : Operations & Maintenance Advisor  
**Job Description** :

- Implement operational strategy consistent with achieving maximum plant efficiency to meet contractual requirements in the most safe, reliable, economical and environmentally manner.
- Develop, record and retain applicable plant operations and maintenance data.
- Carry out root cause analysis and troubleshoot malfunctions and operating defects.
- Support development and implementation of operating procedures for major systems using Facility designer's operation manuals/procedures and equipment Vendors' instructions.
- Initiate facility modifications and upgrades to enhance plant reliability and performance.
- Work in cooperation with GE O&M Centre of Excellence (CoE) team, GE Engineering and other O&M support functions.
- Support optimization of plant operating strategies with the aim of achieving lower cost operation and/or increased efficiency and output.
- Implement plant operating logs covering critical plant operating parameters and conduct necessary review and analysis to proactively

- identify potential problems.
- Support customer to coordinate with Power Purchaser and Fuel Supplier for load management and fuel supply requirements respectively.
- Understand H&S risks / hazards and environmental / legislative aspects / impacts related to work activities.
- Provide coverage for shift rotation.
- Coordinate with GE O&M Centre of Excellence (COE) team, GE Engineering and other O&M support team for the resolution of complex issues relevant to the Power Station.
- Coordinate with other GE Power services elements (Turbine Service, Engineering teams, sales, O&M) to ensure optimum results during daily operation / outages for the Power Station.
- Perform additional duties as required.

**Dates** : From Jul. 2015 till Jun. 2016  
**Employer** : [EGYPTROL](#), GE Energy Subcontractor  
**Project** : New Assiut Power Station 8x125MW (GE 9E gas turbines)  
**Job title** : Operations / Commissioning Lead  
**Job Description** :

- Operation via Mark Vie operation control system.
- Direct and supervise the activities of assigned personal in Gas turbine section, perform supervisory functions at the level established by management.
- Perform advanced maintenance management for all Gas turbines.
- Coordinate hands-on skills to perform the mechanical repair.
- Monitor the operation of the gas turbine, running parameters and auxiliaries' operations from a safety and efficiency aspect.

**Dates** : From Sep. 2008 till Nov. 2014  
**Employer** : Mesaieed Power Company Limited – Qatar  
**Job title** : Senior Control Room / Field Engineer  
**Job Description** :

- Commissioning, start-up & operation of:
  - 6 x 9 FA GE Gas Turbines.
  - 3 x D11 GE Steam Turbines (Combined Cycle).
  - 6 x NEM HRSG.
  - 2 x 6B GE Gas Turbines (Dual Fuel).
- Process monitoring and troubleshooting for mentioned units via Mark Vie DCS Control system.
- Operation knowledge in DCS Control Process System.
- Experienced in Plant start-up and shutdown controls / procedures.
- Water treatment plant start-up and shutdown.
- Electro-Chlorination Plant Operation.
- Control and maintain auxiliary equipment, such as pumps, fans, compressors, condensers, feed water heaters, filters, and chlorinators, to supply water, fuel, lubricants, air, and auxiliary power.
- Make adjustments or minor repairs, such as tightening leaking gland and pipe joints; report any needs for major repairs.
- Monitor and inspect power plant equipment and indicators to detect evidence of operating problems.

**Dates** : From Mar. 2006 till Sep. 2008  
**Employer** : Cairo Electricity & Production Company  
**Project** : Cairo North Power Station  
**Job title** : Control Room Engineer  
**Job Description** : Operation, monitoring and troubleshooting of:

- 2 x 701F Mitsubishi Gas turbines via Netmation Control System.
- One TCDF40 Reheat Condensing Hitachi Steam Turbine (Combined Cycle) via Mark VI DCS Control System.
- 2 x NEM HRSG via Foxboro DCS control System.