

Holds a B. Sc. in Electronics & Communications Engineering and has about 15 years' experience working in I&C field and also in Electrical Operation, Commissioning and Start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 04/01/1986  
Gender : Male  
Marital Status : Married  
Residence : Assiut

## EDUCATION

: B. Sc. in Electronics & Communications Engineering, Assiut University, 2007

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

## TRAINING COURSES AND CERTIFICATIONS

- : CompEx (Ex01, Ex02, Ex03, Ex04), Interteck Training Center (Nov. 2020).
- : PGT 10 Machine - Gas Turbine Compressor Operation Training, West Nile Delta Gas Project (Dec. 2018).
- : PGT 10 Machine - Mark Vie Upgrade from Mark Vi Maintenance training, West Nile Delta Gas Project (Dec. 2018).
- : CENTAUR 40 Machine - SOLAR TURBINES Control Training, Allen Bradley PLC, West Nile Delta Gas Project (Dec. 2018).
- : YOKOGAWA CENTUM VP DCS Maintenance Training, YOKOGAWA Training Center (Dec. 2018).
- : YOKOGAWA PROSAFE RS - ICSS Engineering & Maintenance Training, YOKOGAWA Training Center (Dec. 2018).
- : Bentley Nevada 3500 System, Bentley Nevada 1900 System Maintenance Training, Assiut West CCGT 1500MW (Oct. 2018).
- : GE Gas Turbine Operations - 9E Dual Fuel Gas / Liquid, Assiut West CCGT 1500MW – Egypt, GE (Aug. 2015).
- : GE Mark Vie - Maintenance training, Assiut West CCGT 1500MW – Egypt, GE (Nov. 2015).

- : GE MS9001E Gas Turbine - Generator Maintenance, Assiut West CCGT 1500MW – Egypt, GE (Nov. 2015).
- : GE EX2100e, Thyne 1, SFC & GPP Class, Assiut West CCGT 1500MW – Egypt, GE (Nov. 2015).
- : SIEMENS SCS SYSTEM OPERATION, Assiut West CCGT 1500MW – Egypt, SIEMENS (Jun. 2015).
- : SIEMENS SCS MAINTENANCE ENGINEER, Assiut West CCGT 1500MW – Egypt, SIEMENS (Jun. 2015).
- : HYUNDAI Maintenance of HHIB manufactured power transformers, Assiut West CCGT 1500MW – Egypt, HYUNDAI (Jul. 2015).
- : ABB DCS control system: Symphony plus operation Symphony plus hardware Symphony plus Engineering Symphony plus HW diagnostic, Assiut West CCGT 1500MW – Egypt, ABB (Dec. 2015).
- : Atlas Copco Air Compressor ZR145 / Air Dryer CD330+ / Cooling Tower CTE200 / Water Skid Pump WPS 16, Assiut West CCGT 1500MW – Egypt, Atlas Copco (Mar. 2016).
- : SANCO PROGRAMMABLE SYSTEM FB6100 / FB6100 system operation / FB6100 system troubleshooting, Assiut West CCGT 1500MW – Egypt, SANCO (Dec. 2015).
- : GUTOR SDC (UPS) system - Operation and maintenance, Assiut West CCGT 1500MW – Egypt, GUTOR (Jan. 2016).
- : Black start diesel generator / SDMO X3300 operation training, Assiut West CCGT 1500MW – Egypt, SDMO (Oct. 2015).
- : VEOLIA Water / Waste treatment package overview; Process description of main treatment steps; Process control philosophy, Assiut West CCGT 1500MW – Egypt, VEOLIA (Sep. 2015).
- : Advanced Course in Data Communication and Computer Networking, Jelecom Company (A.D. Panasonic) (Jul./Aug. 2005).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2021 till now

**Employer** : Thomassen Energy

**Project** : EI-Shabab CCGT

**Job title** : Control TA

**Job Description** : Major outage activities for 4 GE frame 9E machines and DLN1 tuning including: Controller Controlling and Equal Check, Archive SW, Archive Screens, See Active Alarms, Walk Down and see re-installed parts, Stroke Valves, Calibrate Servos, Check Motors operation and rotation, Check Transmitters, switches, ....., Check Flame Detectors, Check Spark Plugs, Check forced variables, Check Ground Fault, Make sure all outage I&C devices are healthy, Ensure all valve positions are correct pre SU, If Download is needed, or new SW, make sure controller is controlling and equal, CMS Get latest-check In and write comments and initials, DO IGV calibration, Start-up trends, monitoring vibration and metal bearing temp on TG, crank speed and FSNL, monitoring the transfer from lean lean to premix and vice versa, tuning the split matrix and download initial values.

**Dates** : From Nov. 2018 till Dec. 2020

**Employer** : BP

**Project** : West Nile Delta, Giza Fayoum and Raven

**Job title** : Senior Rotating Control Engineer  
**Job Description** :

- Reporting to instrumentation AGM.
- Maintenance of all gas Turbines in both Giza Fayoum and Raven Plant (2 GE PGT10 Gas Turbine Compressor, 2 Solar CENTAUR 40 Gas Turbine Generator, 4 Siemens S200 Gas Turbine Generator).
- Supporting Instrumentation team in all preventive maintenance, corrective maintenance, 12 weeks planning, PTW preparation and materials/spare parts requisition for all plant related systems in (slug catcher, pig receiver, inlet separators, condensate separator, electrical heaters, gas fuel heaters, coalescing filters, methanol, richMeg, export, metering, fire and gas.

**Dates** : From Jun. 2017 till Nov. 2018  
**Employer** : Upper Egypt Electricity Production Co. (UEEPC)  
**Project** : Assiut West CCGT 1500MW  
**Job title** : Lead I&C Engineer  
**Job Description** : Following up construction, commissioning of:

- 8 DOSAN HRSG.
- 2 GE Steam turbine D202.
- 2 SPIG ACC.
- BOP.
- Mark VIe DCS.
- Integration between old and new Mark VIe components.
- Extension of DCS controlled with ABB Symphony plus control system.
- Leading I&C hand over team.

**Dates** : From Sep. 2015 till May 2017  
**Employer** : Upper Egypt Electricity Production Co. (UEEPC)  
**Project** : Assiut West CCGT 1500MW  
**Job title** : Senior I&C Maintenance Engineer  
**Job Description** :

- Troubleshooting, scheduled & preventive maintenance for different I&C system in the plant (8x125MW frame 9E GE gas turbine, plant auxiliaries, ABB DCS system, VEOLIA water treatment plant, SANCO fire protection system).
- Installing, calibrating & maintenance of instrument such as (transducers, transmitters, thermocouples, indicators, manometers, thermometers ...etc.) and the required programming to the new instrument.
- PLC & DCS (Symphony plus) & Mark Vie & Mark Vies control systems which supervise and control the plant.
- Make the required tests and calibration if needed on gas turbine instruments, turbine instruments, relays & limit switches after long or periodic maintenance.
- Power and control circuits such as (contactors, overload, Timers, switches & motors...).
- Actuators setting, control valves, ON/OFF valves, valve position transmitters & pneumatic instruments systems at water treatment plant.

**Dates** : From May 2015 till Sep. 2015  
**Employer** : Upper Egypt Electricity Production Co. (UEEPC)

**Project** : Assiut West CCGT 1500MW  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Operation of the GE gas turbine, auxiliaries, transformer and Siemens GIS (start-up, shutdown, normal operation and abnormal operation) to achieve the optimum and economical operation.
- Ensure that all activities are performed in a safe and efficient manner in accordance with the approved Standard Operating Procedures, quality standards, time schedules, and other operating requirements.
- Troubleshooting with electrical and mechanical maintenance departments and proper isolation for equipments.
- Carrying out the switching programs for the interconnected system (220KV, 15KV, 6.3KV).
- Execute the proper and safe isolation for electrical equipment as per requisition of electrical maintenance department to attend the maintenance needed for it.

**Dates** : From Dec. 2014 till May 2015  
**Employer** : Upper Egypt Electricity Production Co. (UEEPC)  
**Project** : Assiut West CCGT 1500MW  
**Job title** : Commissioning & Start-up Engineer  
**Job Description** :

- Following up construction, commissioning and start-up 8 gas turbines frame 9001E made by General Electric with Mark Vie & Mark Vies control systems.
- SAT of plant DCS controlled with ABB Symphony plus control system.
- SAT of Water Treatment Plant with VEOLIA Water controlled with Siemens S7 PLC & SCADA system.
- Commissioning of GIS substation controlled with Siemens SIMATIC control system.
- FAT & SAT of plant fire protection and firefighting with SANCO.
- Lead I&C hand over team.

**Dates** : From Oct. 2013 till Dec. 2014  
**Employer** : Upper Egypt Electricity Production Co. (UEEPC)  
**Project** : Assiut Thermal Power Plant  
**Job title** : I&C Maintenance Engineer  
**Job Description** :

- Troubleshooting, scheduled & preventive maintenance for different I&C system in the station.
- Installing, calibrating & maintenance of instrument such as (transducers, transmitters, thermocouples, indicators, manometers, thermometers ...etc.) and the required programming to the new instrument like indicators or recorders.
- PLC & DCS control systems which supervise and control the station.
- Make the required tests and calibration if needed on boiler instruments, turbine instruments, relays & limit switches after long or periodic maintenance.
- Power and control circuits such as (contactors, overload, Timers, switches & motors...).
- Actuators setting, control valves, ON/OFF valves, valve position transmitters & pneumatic instruments systems at water treatment unit,

also for ignition the boiler with fuel.

**Dates** : From Jan. 2010 till Oct. 2013  
**Employer** : Upper Egypt Electricity Production Co. (UEEPC)  
**Project** : Assiut Thermal Power Plant  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Operation of the steam generation units such boiler, steam turbine, generator, transformer and its auxiliaries (start-up, shutdown, normal operation and abnormal operation) to achieve the optimum and economical operation.
- Troubleshooting with electrical and mechanical maintenance departments and proper isolation for equipments.
- Carrying out the switching programs for the interconnected system (132KV, 33KV).
- Execute the proper and safe isolation for electrical equipment as per requisition of electrical maintenance department to attend the maintenance needed for it.

**Dates** : From Sep. 2009 till Jan. 2010  
**Employer** : Glextel Company (Global Expertise for Telecommunication)  
**Job title** : BSS Engineer  
**Job Description** :

- Responsible for complete installation of Etisalat Project using HUAWEI technology.
- Have practical training on:
  - New site installation for GSM 900 & GSM 1800 using BTs 3012 cabinet.
  - Site expansion and site configuration.
  - RTN commission and Microwave hardware upgrade for RTN 600 and 620.

**Dates** : From May 2009 till Sep. 2009  
**Employer** : Coca-Cola Egypt Company – Assiut Plant  
**Job title** : Operation & Maintenance Engineer  
**Job Description** : Operation and maintenance of KRONES production lines especially RB production lines.

**Dates** : From Feb. 2009 till May 2009  
**Employer** : Engineering Consulting Corporation in Alex West  
**Job title** : Site Engineer  
**Job Description** : Light current works in Alex West site and Radisson Blu Hotel, Alexandria, such as cctv system, fire alarm system, sound system and A&V system, etc.

**Field of experience** :

- About 15 years' experience in operation, maintenance, commissioning and outages of steam and combined cycles power plants, and 2 years' experience in gas plants with British Petroleum as a Rotating Control Engineer and Instrumentation & Control Field Engineer.
- CompEx certified.
- Professional in GE rotating machines specially GT frame 9E and multiple

DCS / ICSS systems specially MARK VIe & Vies: hard ware installation, 4108 (network topology) implementation, controllers, workstations, historian servers, NTPs servers configuration, loop checks, screens modification in Cimplicity HMI, Toolbox ST software modification and implementation, Tuning, hardware installation and DCS troubleshooting, GT & ST & HRSG & BOP troubleshooting.