

Holds a B. Sc. in Communication & Electronics Engineering and has over 13 years' experience, including 10 years working as I&C Engineer and 2 years in operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/09/1987
Gender : Male
Marital Status : Married
Residence : New Damietta

EDUCATION

: B. Sc. in Communication & Electronics Engineering, El-Shorouk Academy, 2009

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Siemens Maintenance Basics, Erlangen – Germany (Apr. 2017).
: Siemens Power Plant Automation SPPA-T3000, Karlsruhe – Germany (Apr./May 2017).
: Siemens Steam Generators, Muehlheim – Germany (May/Jun. 2017).
: Siemens Gas Turbine, Berlin – Germany (Jun. 2017).
: Siemens Gas & Steam Turbine Controller, Fuerth – Germany (Jun. 2017).
: GE Mark VIE maintenance, Belfort – France (Apr./May 2011 and Nov./Dec. 2014).
: GE EX2100R maintenance, Belfort – France (Nov. 2014).
: Yokogawa DCS centum VP engineering (Jun. 2011 and Nov. 2011).
: GE Generator control EX2100R (Nov. 2011).
: GE 9E gas turbine operation (May 2011).
: GE Gas turbine maintenance, Belfort – France (Dec. 2014).
: HYOSUNG 220KV insulated switchgear (Jul. 2011).

- : Siemens protection and control panel for Hyosung 220KV insulated switchgear (Jul. 2011).
- : SIEMENS Substation Automation System (SAS) (Jul./Aug. 2011).
- : SIEMENS Telecommunication system (Aug. 2011).
- : Hyosung power transformer.
- : Latest techniques of electric control of mechanical application using electric actuator technology (Dec. 2011).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2019 till now
Employer : SIEMENS
Project : Burullus 4800MW CCPP
Job title : Senior I&C Engineer
Job Description :

- Hardware components diagnosis, trouble-shooting (AddFEM, S7-Components).
- Gas turbine controller functions and operation (CV-Lift-Controller / IGV Controller).
- Troubleshooting hardware faults including use of Interconnection Diagrams.
- SPPA-T3000 (System: hardware and software architecture, redundancy and peripherals, Engineering: function diagram, plant display, archive, integrated engineering, using AF-blocks and prototypes, Basic operation: display navigation, alarm sequence display, trouble shooting, trends, diagnostic view, dynamic function diagram, Commissioning: point view, online change of parameters, forcing ports).

Dates : From Jun. 2016 till Jan. 2019
Employer : East Delta Electricity Production Co.
Project : Burullus Combined Cycle Power Plant 4800MW
Job title : I&C Turbine Engineer for Siemens Power Plant Automation (SPPA-T3000)
Job Description :

- Pre-Commissioning & Commissioning GT's & ST's.
- Energized all control Cabinets and control panels and PCC's.
- Cold loop, Hot loop checks and Function checks for the Gas Turbine.
- Function check for all GT's Equipment's.
- Pre-Start-up checks before run the GT's.
- Start-up Gas turbine FSNL and load GT for Base load.
- All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load, fail to ignite, normal shut down, Reliability Test).
- Performance test for 8 gas turbines SGT5-8000H (T-3000).

Dates : From Sep. 2013 till Jun. 2016
Employer : East Delta Electricity Production Co.
Project : Burullus Combined Cycle Power Plant 4800MW
Job title : I&C Engineer (Mark Vie)
Job Description :

- Pre-Commissioning & Commissioning GT's.
- Energized all control Cabinets and control panels and PEEC's.
- Cold loop, Hot loop checks and Function checks for the Gas Turbine

signals.

- Function check for all GT's Equipment's.
- Pre-Start-up checks before run the GT's.
- Start-up Gas turbine FSNL and load GT for Base load.
- All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load, fail to ignite, normal shut down, Reliability Test).
- Performance test for 4 gas turbines GE 9E.
- Control system Mark-Vie (Hardware components diagnosis, logic modification...).
- Schneider PLC with unity-pro software "water treatment plant".
- Transformer fire-fighting systems (FIKE, Deluge, ...).
- Turbine fire-fighting systems (conventional, addressable, ...).
- Field devices (actuators, solenoids, temp-sensors, pressure-transmitters, ...).
- Auma-Valve actuators installation, calibration, troubleshooting.
- Responsible I&C Engineer for gas turbine frame GE-9E:
 - DLN: Dry Low NOx upgrade.
 - HGP: Hot Gas Path.

Dates : From Jan. 2011 till Sep. 2013

Employer : East Delta Electricity Production Co.

Project : Damietta Power Station (1750MW)

Job title : Shift Operation Engineer for GE 9EA Turbine

Job Description :

- 4 GT 125MW Frame 9EA.
- 220KV Switch gears.
- 2 Medium voltage 6.6KV switch yard.
- Main Medium voltage 6.6KV switch yard.
- 4 tie transformers 15/220KV.
- 8 Low Voltage transformers 6.6KV/400V.
- SANCO CO2 fire-fighting.
- EMIT R.O water treatment.
- Yokogawa DCS centum VP.
- HVAC system (YORK).
- SAS (substation automation system).

Field of experience : I&C Commissioning Engineer (TFA) - SPPA-T3000 / Specialist T-3000 Engineering, Maintenance & Service.