

Holds a B. Sc. in Mechanical Power Engineering and has over 13 years hands-on experience working in operation, commissioning & start-up at several Combined Cycle Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/01/1982
Gender : Male
Marital Status : Married
Residence : Beni Suef

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good
French : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: SAP
: BFS system

TRAINING COURSES AND CERTIFICATIONS

: Off-shore training for Heat Recovery Steam Generator (HRSG) by CMI Company in BELGIUM (4 weeks).
: SIEMENS gas turbine SGT6-5000F by SIEMENS.
: SIEMENS steam turbine SST6-4000F by SIEMENS.
: SAMSUNG training in vibration monitoring.
: Siemens V94.3A gas turbine operation training course by Siemens Company.
: Alstom steam turbine 250MW operation training course.
: ALSPA DCS system (general representation "AP01-S5" and centralog operation "CL01-S5") Alspa P320 Distributed Control Systems Product operator Activities.
: Operation of Heat Recovery Steam Generation – HRSG – system (CMI).

- : Operation of feed water pumps, condensate pumps IP & HP (sigma).
- : Operation pipe rack, valves and IP & HP bypass (Skoda).
- : Hitachi Steam Turbine 250MW Operation training course.
- : Training for DCS (the ovation OV010) by EMERSON.
- : Safety and Fire fighting rules of UEEPC Training Center.
- : PERSONAL SAFETY & PROTECTION from GPILearn site.
- : Introduction in combined cycle from GPILearn site.
- : ATLAS COPCO Fuel gas compressor operational training.
- : SAMSUNG training in Chemical Feed System.
- : SAMSUNG training in HRSG System.
- : SAMSUNG training in Chiller Plant System.
- : SAMSUNG training in Sea Water Intake System.
- : SAMSUNG training in Electro Chlorination System.
- : SAMSUNG training in Waste Water System.
- : SAMSUNG training in Demineralization Desalination System.
- : First Aid training.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2017 till Jun. 2019
- Employer** : [EGYPTROL](http://www.egyptrol.com), SIEMENS AG Subcontractor
- Project** : BENI SUEF Power Plant Combined Cycle 4800MW:
- EIGHT SIEMENS Gas Turbines 8000H 8x400MW.
 - Eight NEM Heat Recovery Steam Generation (HRSG) + Four SIEMENS steam turbines SST5-5000.
 - Water treatment plant produce DM water, Service water, Filtrate water and potable water.
 - Firefighting system.
 - Water firefighting system.
 - CO2 firefighting system.
 - N2 generation system.
 - Fuel gas system has 5 gas compressors.
- Job title** : Steam Turbine Commissioning Operation Engineer
- Job Description** :
- Perform chemical cleaning and steam blowing for steam boiler.
 - Pre-commissioning for steam turbine (Steam blowing, Condenser test, Bearing clearance, Float, Dump of rotor, Gear and pinion, All safety trip function and response of ESV ...etc.).
 - Commissioning and load trial for steam turbine:
 - Check various pressure/temp. setting for lube oil and control oil systems.
 - Aux. steam/Seal Steam start-up/Evacuation system.
 - Cold start-up test to W/U speed (Rub check, vibration setting in level ...etc.).
 - RELS to FSNL (Check vibration setting in level, over speed trip and electrical tests ...etc.).
 - Load rejection test in min load.
 - Warm start-up test.

- Load rejection test in 50% load.
- Hot start-up test.
- Load rejection test in 75% load.
- Load rejection test at full load.
- Vacuum decay test.
- Max/min MVAR test in different loads.
- Steam turbine valves leak test.
- Steam Turbine valves test at turning gear and load run.
- Performance test.
- Safe Start-up and Shutdown Operation for All Plant.
- Reviewing results and meeting with managers to discuss methods of improving the productivity of existing systems.
- Fast Acting in Emergency Cases.
- BOP operation (cooling water system, fuel forwarding system, firefighting system).
- Identifying, investigating and repairing system faults.
- Supervising the work of manufacturing engineers.
- Train new engineers and support staff.
- Follow all safety instructions.
- LOTO.
- PTW Issuer.
- Operation procedure.

Dates : Feb./Mar. 2018

Employer : SIEMENS

Project : New Capital Power Plant Combined Cycle 4800MW:

- EIGHT SIEMENS Gas Turbines 8000H 8x400MW.
- Eight NEM Heat Recovery Steam Generation (HRSG) + Four SIEMENS steam turbines SST5-5000.
- Water treatment plant produce DM water, Service water, Filtrate water and potable water.
- Firefighting system.
- Water firefighting system.
- CO2 firefighting system.
- N2 generation system.
- Fuel gas system has 5 gas compressors.

Job title : Commissioning Shift Charge Engineer

Job Description :

- Steam Turbine/Boiler commissioning & start-up and operation.
- Safe Start-up and Shutdown Operation for All Plant.
- Reviewing results and meeting with managers to discuss methods of improving the productivity of existing systems.
- Fast Acting in Emergency Cases.
- Dealing with SPPA-T3000 controller hardware and software (control system Toolbox).
- Perform chemical cleaning and steam blowing for HRSG.
- BOP operation (cooling water system, fuel forwarding system, firefighting system, ...
- Identifying, investigating and repairing system faults.
- Supervising the work of manufacturing engineers.

- Train new engineers and support staff.
- Follow all safety instructions.
- LOTO.
- Very good dealing with SAP system.
- PTW Issuer.
- Operation procedure.

Dates : From May 2013 till Apr. 2017

Employer : NOMAC

Project : Qurayyah Power Plant (QIPP) Combined Cycle 4000MW – KSA:

- 2 Modules:
 - Module 1:
 - ❖ Six SIEMENS Gas Turbines SGT6-5000F 6x231MW.
 - ❖ Six BHI Heat Recovery Steam Generation (HRSG) + Three SIEMENS Steam Turbine SST6-4000F 3x231MW.
 - Module 2:
 - ❖ Six SIEMENS Gas Turbines SGT6-5000F 6x231MW.
 - ❖ Six BHI Heat Recovery Steam Generation (HRSG) + Three SIEMENS steam turbine SST6-4000F 3x231MW.
- Water treatment plant produce DM water, Service water, Filtrate water and potable water.
- Fire fighting system: Water fire fighting system, FM200 fire fighting system.
- N2 generation system.
- Fuel gas system has: 13 gas compressors, 7 reduction stations, 7 water bath heaters.
- Fuel oil system: Distillate fuel oil.
- Chilled water system.

Job title : Shift Charge Engineer

- Job Description** :
- Combined Cycle plant commissioning & start-up and operation.
 - Safe Start-up and Shutdown Operation for All Plant
 - Reviewing results and meeting with managers to discuss methods of improving the productivity of existing systems.
 - Fast Acting in Emergency Cases.
 - Dealing with SPPA-T3000 controller hardware and software (control system Toolbox).
 - Supervision for chemical cleaning and steam blowing for HRSG.
 - BOP operation (cooling water system, fuel forwarding system, firefighting system,
 - Identifying, investigating and repairing system faults.
 - Supervising the work of manufacturing engineers, train new engineers and support staff.
 - Follow all safety instructions.
 - LOTO.
 - Very good dealing with SAP system.
 - PTW Issuer.
 - Operation procedure writer.
 - Train the fresh employees.
 - Outage Coordinator.

Dates : From Mar. 2010 till Apr. 2013
Employer : Upper Egypt Electric Production Co. (UEEPC)
Project : El-Kureimat III Combined Cycle Power Plant 750MW:

- GE GT MS9001FA 2x250MW (mark VI control system).
- Alstom steam turbine 1*250MW "AlspAP320 control system".
- 2 Heat Recovery Steam Generation (HRSG) (CMI – Initic).
- The plant is controlled via "AlspAP320 DCS control system".

Job titles : Shift Charge Engineer
Job Description :

- Combined Cycle Plant operation and start-up.
- Safe Start-up and Shutdown Operation for all Plant.
- Reviewing results and meeting with managers to discuss methods of improving the productivity of existing systems.
- Fast acting in Emergency Cases.
- Dealing with Mark VI controller hardware and software (control system Toolbox).
- Supervision for chemical cleaning and steam blowing for HRSG.
- BOP operation (cooling water system, fuel forwarding system, fire fighting system,).
- Identifying, investigating and repairing system faults.
- Supervising the work of manufacturing engineers, train new engineers and support staff.

Dates : From Jul. 2006 till Feb. 2010
Employer : Upper Egypt Electric Production Co. (UEEPC)
Project : El-Kureimat II & III Combined Cycle Power Plants (750MW):

- Project 1:
 - Hitachi Steam Turbine 1x250MW "mark VI control".
 - 2 Heat Recovery Steam Generation (HRSG) CMI - SKODA.
 - The plant is controlled via "EMERSON – WDPF DCS control system".
- Project 2:
 - Alstom Steam Turbine 1x250MW "AlspAP320 control system".
 - 2 Heat Recovery Steam Generation (HRSG) (CMI – Initic).
 - The plant is controlled via "AlspAP320 DCS control system".

Job title : STG / Boiler Operation & Start-up Engineer
Job Description :

- Steam Turbine / Boiler operation and start-up.
- Supervising the Testing, Start-up, and Commissioning for SIEMENS gas turbine / Steam Turbine / HRSG and its electrical sub-system and auxiliaries.
- Supervising generators testing and commissioning.
- Dealing with Mark VI controller hardware and software (control system Toolbox).
- Dealing with equipments during start-up, shutdown.
- MV & LV operation (16.5KV, 18KV, 6.3KV, 400 V, ...).
- G.I.S. switchyard 220KV operation.
- Supervision for chemical cleaning with CMI Company.
- Supervision steam blowing for HRSG I & II and steam turbine piping.
- Supervision commissioning for HRSG I & II and pipe rack equipments.
- Supervision commissioning for steam turbine and its auxiliaries.

- Identifying, investigating and repairing system faults.

Dates : From Dec. 2005 till Jun. 2006

Employer : BUHLER MILLS

Job title : Maintenance Engineer

- Field of experience** :
- Over 13 years experience in following Power Station projects:
 - Beni Suef - Siemens as a Commissioning Shift Charge Engineer for Siemens Steam Turbine frame SST5-5000/NEM Boiler.
 - New Capital - Siemens as Commissioning Shift Charge Engineer for Siemens Steam Turbine frame SST5-5000/NEM Boiler/Siemens GT 8000H.
 - Qurayyah QIP.P. - NOMAC as a Shift Leader in Combined Cycle (QIPP project) 4000MW.
 - El-Kureimat 3 as a Shift Leader in combined cycle power plants 750MW "ALSTOM Steam Turbine / GE 9FA".
 - El-Kureimat 2 as a Steam Turbine Operation Engineer.
 - Dealing with Mark VI & SPPA T3000 & ALSPA and Emerson Ovation software (control system Toolbox).
 - Take training courses as SGT6-5000F (5), Siemens V94.3A gas turbine operations gas turbine operations, ALSPA P320 (DCS), SPPA-T3000 (DCS), etc...
 - Very good dealing with SAP & BFS system.