

Holds a B. Sc. in Control & Industrial Electronics Engineering and has about 15 years hands-on experience, including 13 years working in Commissioning, Start-up and Operation of Gas Turbines, Combined Cycle and Thermal Power Plants Projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/03/1985
Gender : Male
Marital Status : Married
Residence : Menoufia

EDUCATION

: B. Sc. in Control & Industrial Electronics Engineering, Menoufia University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Photoshop

TRAINING COURSES AND CERTIFICATIONS

- : Operation of gas turbines by Middle Delta Electricity Production Company included: overview GT-PACKAGES, KKS SYSTEM, start-up, operation and shutdown procedure.
- : Operation basics of gas turbine by GE Company.
- : HRSG Training course by Middle Delta Electricity Production Company included: overview process control system Ovation, Start-up, loading and shutdown procedure.
- : Operation of Steam Turbines included: overview Steam Turbine and its Auxiliaries, Start-up, loading and shutdown procedure, Mechanical, Electrical Equipment operation and troubleshooting.
- : On-shore training on high and medium voltage (500KV / 220KV / 6.3KV).
- : PLC "Siemens s7-300" - Salesian Institute "DON BOSCO".
- : Automatic Control - Salesian Institute "DON BOSCO".
- : Microcontrollers - Faculty of Electronics Engineering.

- : EHS Contractor Rules of Engagement (Safety Passport) – online.
- : Combined Cycle Operation – Banha Power Station.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2020 till now
Employer : DOOSAN Heavy Industries & Construction Co.
Project : Assiut Steam Power Plant 1x670MW (supercritical):

- One DOOSAN STG 670MW, frame DST-S20 / HIP combined + 4FLP.
- One ANSALDO CALDAIE Fossil Boiler.
- BOP (Condensate, FW, CCW pumps and STG auxiliaries).
- Two water-cooled surface condensers.
- STG step up transformer 23/500KV.
- Medium voltage (6.8KV) and low voltage (400 v) switch gear.

Job title : Control Room Operator (CCR Operator)

Dates : From Mar. 2018 till Mar. 2020
Employer : [EGYPTROL](#), Al Toukhi Subcontractor
Project : Conversion of Hail-2 Simple Cycle to Combined Cycle Power Plant, which consists of:

- Four Siemens combustion gas turbines 75MW, frame 2000E.
- Four vertical Amec Foster Wheeler HRSGs.
- One Siemens steam turbine 150MW, frame SST800.
- Air Cooled Condenser (ACC).
- BOP (feedwater, condensate, CCW pumps, air compressors and STG auxiliaries).
- Medium voltage (4.16KV) and low voltage (480 v) switch gear.

Job title : Shift Charge Engineer

Dates : From Oct. 2017 till Mar. 2018
Employer : TECHINT Company
Project : West Damietta CC Project:

- 4 GE combustion gas turbines 125MW, frame V9E.
- 4 horizontal Ansaldo HRSG.
- 1 Ansaldo steam turbine 250MW.
- Air Cooled Condenser (ACC).
- BOP (feedwater, condensate, CCW pumps, air compressors and STG auxiliaries).
- Medium voltage (6.8KV) and low voltage (400 v) switch gear.

Job title : Commissioning & Operation Engineer

Dates : From May 2011 till Oct. 2017
Employer : Middle Delta Electricity Production Company
Project : Nubaria Combined Cycle Power Station (2250MW):

- Two modules, each module consists of:
 - Two Siemens combustion gas turbines 250MW type V94.3a.
 - Two horizontal Alstom HRSG.

- One Mitsubishi steam turbine 250MW type TC2F HP, IP and LP steam lines.
- 220KV switchyard.
- 500KV switchyard.
- Four tie transformers 500/220KV.
- Medium (6.3KV) and low (400 V) voltage switchgear.
- Third module consists of:
 - Two gas turbines 250MW type GE MS9001FA.
 - Two HRSG STF Company.
 - One steam turbine Alstom type.

Job title : Shift Operation Engineer

Job Description :

- Operation of Gas Turbine, commissioning and start-up for Combustion Turbine Generator.
- Start-up and operation of HRSGs.
- Start-up and operation of steam turbine.
- Connecting and disconnecting of power plant transformers, medium, low voltage switchgears.
- Start-up and operation all auxiliary systems (service water, closed cooling water, circulating water, compressed air...etc.).
- Responsible to follow up and carry out plant routine activities as per approved schedule.
- Responsible to start-up, shutdown and emergency operation of the plant and equipment as per instruction.
- Sharing in training the new engineers in Nubaria Power Plant.

Dates : From Sep. 2015 till Apr. 2016

Employer : [EGYPTROL](#), GE Energy Subcontractor

Project : Heliopolis – GE TM 2500

Job title : Warranty Engineer

Job Description :

- The warranty point of contact with the customer regarding the power plant units, attended the breakdown maintenance works for the Gas Turbine with its associated auxiliaries.
- Covering all maintenance disciplines, provided warranty administration and coordination with vendors for fulfilling the contractual obligations toward the project, managed reducing the unplanned outages time.
- Accomplished closing 100% of the defect reports issued by the customer during the contractual normal warranty period.
- Providing technical support for the customer to ensure the plant reliable and efficient operation, problems identification and solving.

Dates : From Aug. 2008 till May 2011

Employer : Middle Delta Electricity Production Company

Project : El-Aff Combined Cycle Power Station 750MW:

- Two Mitsubishi combustion gas turbines 250MW, frame M701F.
- Two horizontal NEM HRSGs.
- One Ansaldo steam turbine 250MW.
- Water Cooled Condenser by circulating pumps.
- Medium (6.3KV) and low (400 v) voltage switch gear.

Job title : HRSGs & STG Operator Engineer

Dates : From Jan. 2008 till Mar. 2008
Employer : Ridgewood Egypt Co.

Dates : From Jan. 2007 till Feb. 2007
Employer : Helwan Steel & Iron Co.

Field of experience :

- Commissioning, start-up and operation of Gas Turbines (CTGs), HRSGs, Boilers and Steam Turbines (STGs).
- Experience in rotating equipment operation & maintenance, including pumps, compressors, steam turbines and gas turbines.
- Chemical cleaning, passivation, steam blow out, start-up and operation of Boilers.
- Air blowing, water flushing and hydrostatic test for pipes.
- Commissioning and operation of all auxiliary systems in power plants (lube oil, seal oil, compressed air and vacuum systems ...etc.).
- Experience in hot gas path inspection maintenance & overall major maintenance & minor inspection of gas turbines.
- BOP commissioning (Solo (no load) run test, heat run test, vibration and temperature detecting, loop check and function test).
- Following all tests required for Gas Turbine, Steam Turbine such as: generator air leak test, generator protection, interlock tests, synchronization auto and manual tests, over speed test, FSNL test, short circuit test, load rejection test, steam turbine and bypass system trip tests, run back testes, performance guarantee (PG) test and reliability test (RT).
- Experience in DCS systems like Siemens-T3000, Diasys Netmation, Foxboro, Yokogawa, Alspa P320.
- Connecting and disconnecting of power plant transformers, medium, low voltage switch gears.
- Start-up, operation, shutdown and emergency operation of the plant and equipment.
- Responsible to follow up and carryout plant routine activities as per approved schedule.
- Coordinate and ensure lock out and tag out during the isolation of equipment for maintenance and normalize the equipment after cancellation, as per the approved Permit to Work procedure.