

102912-MEC-145CMOSVXY-E-2014

Commissioning & Service Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 7 years hands-on experience working in construction, maintenance, operation and commissioning at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/07/1991
Gender : Male
Residence : Mahmoudia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2014

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: ASPEN HYSYS V8.2: Design LNG (liquefied natural gas) plants and air separation plants and how to control the plant production
: Matlab: mathematical and technical programming, graphical user interface (GUI), simulation (Simulink)
: CATIA VR5: 2D & 3D modelling, assembly, stress analysis, and dynamic simulation
: AutoCAD: 2D & 3D modeling
: HAP: design loads air conditioning and refrigeration (HVAC)
: HTRI: Heat exchanger design and selection of the heat exchanger was appropriate for the conditions required type

TRAINING COURSES AND CERTIFICATIONS

: Travel to Germany to complete the training in SIEMENS Company (from Sep. till Nov. 2016):

- Trained in Berlin Siemens GT service facilities for one week.
- Training covered GT burner maintenance, calibration of instrumentation, PTW system, HCO system, endoscope inspections and GT auxiliaries.
- Trained in Erlangen power plant simulator for 3 weeks.
- Training covered siemens SPPA-T3000 user interface, logic tracing, report generation, plant start up and shut down programs in combined cycle and simple cycle modes.

- Trained in ESSEN Siemens ST and Generator factory for 1 week.
- Training covered steam turbine auxiliaries, steam turbine controller, generator winding isolation and generator manufacturing process.
- : Training with SIEMENS Trainers on operation and Commissioning of the gas turbine (SGT5, 8000H) in the Training Center in TALKHA Power Station (from Jun. till Sep. 2016).
- : Process simulation using Aspen Hysys, Bridge Training Center (Apr. 2013).
- : Lead the interview in petrochemical industry NAPEC – SAE (Sep./Oct. 2013).
- : CATIA Vr 5 R19 Software, JELECOM Training Center (Feb./Mar. 2013).
- : The theory and practice of pump and compressors, Engineers Syndicate (Nov. 2011).
- : Trainings at:
 - Moharam Beck Training Center, Alex, Egypt (2013): Training covered a general view of the refrigeration systems and air conditioning systems.
 - El-Atf Power Station, El-Mahmoudia, Egypt (2012): Training covered a general view of a company system and control processes, Boiler operation and maintenance and Turbine operation and maintenance.
 - El-Mahmoudia Power Station, El-Mahmoudia, Egypt (2011): Training covered a general view of a company system and control processes, Boiler operation and maintenance and Turbine operation and maintenance.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2019 till now
- Employer** : SIEMENS ENERGY Company
- Project** : El-Burullus Power Station Combined Cycle (4800MW)
- Job title** : Commissioning & Service Engineer
- Job Description** :
- Perform advanced maintenance management, troubleshooting, field activities and maintenance activities for all gas turbines, gas compressors including all auxiliary systems.
 - Carried out the level 1 (L1) inspection for the SGT 8000H.
 - Maintaining the pumps, boilers, and compressors, bearing change and Machine troubleshooting.
 - Maintaining all the types of heat exchangers, periodic maintenance of the pumps and Heat exchangers.
 - Follow all the mechanical works on site, hydro tests, flushing, chemical cleaning, steam blowing for heat recovery steam generator (HRSG) and commissioning for steam turbine.
 - Monitoring of 8000H Gas turbines, SST 5000 Steam turbines, NEM heat recovery steam generators and the associated auxiliaries through SPPA-T3000.
 - Operation of power plant common systems (Gas compression station, water treatment station water intake, dredger, trash rack, traveling water screen, make up water system and compressed air system).

- Dates** : From Jul. 2018 till Feb. 2020
- Employer** : GIZA FAUOM Site (Solar Turbines Egypt) (Titan T130 type)
- Job title** : Field Service Representative Engineer

Job Description :

- Apply extensive technical, mechanical, electrical, and hydro-mechanical skills required to perform all aspects of controls and package system upgrades on all supported product lines specializing in complex designs.
- Possess expert skills in conduit and cable tray installation, tube bending and installation, and sub-assembly techniques required to complete package systems upgrades. Serves as a Subject Matter Expert for package systems upgrade techniques and processes.
- Ensure customer expectations are met or exceeded, ensure all maintenance activities are carried out in accordance with Solar Engineering specifications, recommendations and best practices, recognize electrical/mechanical abnormalities and potential safety problems at and take appropriate action to prevent a serious safety hazard from developing and causing damage to equipment.
- Provide daily reports to the relevant manager on projects or daily work, Keep abreast of pending work and personnel required to complete the projects, ensure that necessary parts are available and submit materials requisitions when required and Accurately report and update all equipment histories to effectively forecast equipment utilization and efficiency and Coordinate any changes necessary to ensure operations are efficient and minimal downtime is required and ensure effective communication and reporting to immediate supervision and if applicable, customer representatives.

Dates : From Mar. 2017 till Jun. 2018

Employer : RASHPETCO (SHELL-JV) (Alex)

Job title : Operation & Maintenance Engineer

Job Description :

- PGT25+ & SGT-300 & SGT-400 turbines operation and maintenance.
- Perform advanced maintenance management, troubleshooting, field activities and maintenance activities for all gas turbines, gas compressors including all auxiliary systems.
- Monitor the operation performance for the all the Gas turbine, Gas compressors running parameters and auxiliary's operation.
- Checked the drive end (D.E) and the no drive end (N.D.E) for the gas compressor and replaced the journal, thrust bearings, the labyrinth and the dry gas seal.
- Carried out the level 1 (L1) inspection for the PGT25+ (GE).

Dates : From Feb. 2016 till Jun. 2016

Employer : INPEC

Project : Beni Suf CCPP (4800MW)

Job title : Mechanical Installation Engineer

Job Description :

- Alignment for the gas turbine with the generator.
- Installing mechanical equipment's (such as hydraulic skid, lube oil skid, Seal oil skid).
- Installing and collecting parts of air intake.

Dates : From Dec. 2015 till Feb. 2016

Employer : El-Nour for electromechanical contractions and supplies (NCS)

Project : El-Shabab Combined Cycle (HRSG)

Job title : Mechanical Installation & Commissioning Engineer

Job Description : Installing all steel structure, drums and piping.

Dates : From Mar. 2015 till Dec. 2015

Employer : El-Nour for electromechanical contractions and supplies (NCS)

Project : Mahmoudia Simple Cycle Power Plant 2x165MW (fast track project)

Job title : Mechanical Installation & Commissioning Engineer

Job Description :

- Alignment of the gas turbine with generator and of all types of pumps.
- Installing all the mechanical equipment (such as a hydraulic skid, lube oil skid, RDS skid, Final filtration skid, purging and pack purging water skid, fuel oil skid, pump Housing skids).
- Installing and collecting all parts of the air intake and the fin fan cooler, installing part of Pipelines (BOP), finish bunch list with Min contractor.

Dates : From Nov. 2014 till Feb. 2015

Employer : EL-SAKR Company (food and drinks)

Project : TETRA PAK Factory (Drinks factory)

Job title : Construction & Maintenance Engineer

Job Description :

- Maintaining the pumps, boilers, and compressors, bearing change and Machine troubleshooting.
- Maintaining all the types of heat exchangers, periodic maintenance of the pumps and Heat exchangers.