

102912-MEC-1CMOS-E-2014

Operation & Commissioning Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 4 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
Marital Status : Single
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 modelling
: 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):

- Three weeks in MUEHLHEIM (training on Simulator to learn how to operate the (SGT5, 8000H) type (start-up, shut down).
- One week in ESSEN (training how to maintenance all type of switches and transmitters (pressure, temperature,)) and also how to work on the periscope.

- One week in BERLIN (training in train center continue SIEMENS Company to learn how to do commissioning of GT and Auxiliary system).
- : 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. 2016 till now
- Employer** : SIEMENS, EEHC
- Project** : El-Burullus Power Plant
- Job title** : Operation & Commissioning Engineer
- Job Description** :
 - 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.
 - Operation Engineer for the gas turbine SGT5, 8000H type, T3000, Start-up, shut down and the auxiliary systems (lube and lift oil system, seal oil system, hydraulic system, turning gear system, TOT, Cooling system,).
 - Operation Engineer for the combined cycle (4800MW) Start-up, shut down, filling all the HRSG, and the auxiliary systems.

- Dates** : From Mar. 2018 till now (part time)
- Employer** : RASHPETCO (SHELL-JV) Oil and Gas Company (Alex)
- Job title** : Turbomachinery Engineer
- Job Description** :
 - SGT-100 & SGT-300 & SGT-400 (SIEMENS Turbines), PGT 25+ DLE (GE 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, running parameters and auxiliaries 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 (Minor inspection).

- Carried out the level 1 (L1) inspection for the PGT25+ (GE).
- Perform assigned duties in accordance to the HSE system.
- Perform tool box and task risk assessment meeting to establish scope of work, Safety requirement, and permit to work, special tools and material.
- Provide daily status reports and final reports.

Dates : From Feb. 2016 till Jun. 2016
Employer : INPEC
Project : Beni Suef CCPP (4800MW)
Job title : Mechanical Construction 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 Construction 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 Construction Engineer
Job Description :

- Install and 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.