

105615-MEC-156CHMOS-E-2014

Commissioning & Operation Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 5 years hands-on experience working in construction, HVAC, maintenance, operation and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 21/10/1992
Gender : Male
Residence : Menoufia

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: CATIA V5.0
: Solid Works
: Matlab
: Google Documents
: Basic programming language

TRAINING COURSES AND CERTIFICATIONS

: MBA Student at Brooklyn Academy Institute (2017).
: HVAC (heating, ventilation and air conditioning) at EGYCET (2014).
: PMP at Brooklyn Academy Institute (2016).
: ASME I, II, IX, B31.1 at Inspection Academy (2018).
: Summer trainings at:

- Bavarian Auto Group (2013).
- PAS (Petroleum Air Services) in Cairo Airport (2011-2012).
- New & Renewable Energy Authority (NREA) (2013).
- Sidi Krir Electric Power Plant (2012).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2018 till now
Employer : Orascom
Project : West Assiut Combined Cycle Power Plant 1500MW
Job title : Commissioning & Operation Engineer
Job Description :

- Ensure HSE awareness on the job.
- Review P&IDs and engineering documents, Data sheets.
- Follow up on the Mechanical completion of all systems especially the air cooled condenser.
- Perform mechanical cleaning and/or flushing for the piping connections on site.
- Steam blow activity.
- ACC hot cleaning activity.
- Bypass operation and steam purity activity.
- Perform solo-run and load tests for all site equipment.
- Start-up and operation of various systems in the plant (closed cooling, feed water system, Condensate system, Air cooled condenser...etc.).
- Monitoring and reporting any activity in the plant including the HRSG, BOP and the Turbine activities.
- Perform various tests on the systems mentioned above according to start-up procedures.
- Monitor the performance of all site equipment during reliability run.
- Prepare and operate steam unit in all operating modes, unit start-ups, equipment changeover, report on equipment operating condition and monitor equipment performance reporting abnormalities to maintenance.
- Start-up, commissioning and operation for all site equipment according to their respective manuals.
- Preservation activity for system equipment (HRSGs, Condensate and ACC) using different preservation methods according to operation and maintenance manuals.
- Perform preventive maintenance to all site equipment according to manuals.
- Perform reliability run test and hand over of modules to UPPEC.

Dates : From Jul. 2017 till May 2018
Employer : MCEco.
Job title : Mechanical Construction & Commissioning Engineer
Job Description :

- ACC at 6th of October Power Plant - add on (from Feb. 2018 till May 2018):
 - Follow up on the activities on site and conforming them to the drawings provided by the designer.
 - Performing the erection and testing according to the procedures provided by the Client or the supplier of equipment.
 - The completion of the construction activities of the steel structure.
 - Erection of the monorails.
 - The pre-commissioning activities in the mechanical group (Motors, Gearboxes and fan blades).
 - Review P&IDs (Steam, Condensate, Vacuum and Cleaning

- systems) and engineering documents, Data sheets.
- ACC at West Damietta power station-add on (1500 MW) (from Jul. 2017 till Feb. 2018):
 - Follow up on the activities on site and conforming them to the drawings provided by the designer.
 - Performing the erection and testing according to the procedures provided by the contractor or the supplier of equipment.
 - The erection of the steel structure.
 - Erection of the monorails.
 - The Mechanical group (Motors, Gear boxes and fan blades) assembly and mechanical pre-commissioning activities including lubrication and adjustment and vibration tests.
 - Erection of the drain piping system and alignment of the Drain pumps.
 - Erection of the cleaning system piping and pump.
 - The pre-commissioning activities of the heat exchangers and the Vacuum units.
 - Performing the various tests on the piping (pneumatic leak test, hydraulic tests...).
 - Mechanical cleaning of the Condensate collecting manifold and the steam distribution manifolds in the ACC.
 - Preparation of the hot cleaning system in the ACC.
 - The installation of various mechanical instruments around the ACC.
 - Review P&IDs (Steam, Condensate, Vacuum and Cleaning systems) and engineering documents, Data sheets.
 - Perform walk downs with the client and clearing punch list items.

Dates : From Aug. 2015 till Jul. 2017

Employer : POWER EGYPT for air conditioning (JAC-POWER GROUP)

Projects :

- Mokatam Insurance Hospital (HVAC)
- Mokatam Insurance Hospital (conference hall) (HVAC)
- Sednawy Insurance Hospital (HVAC)
- Tia Heights (Hurghada) (HVAC)
- Rady Furniture Mall (Kafr Eldawar) (HVAC)
- Telecom Egypt (Fawala Central) (HVAC)
- Telecom Egypt (Sharabeya Central) (HVAC)
- Telecom Egypt (Masr Algedidah Central) (HVAC)
- Telecom Egypt (Qena Central) (HVAC)
- National Center of educational research and development (HVAC)

Job title : Site HVAC Engineer

Job Description : In all sites listed, I was responsible for the erection and start-up (commissioning) of all HVAC equipment including Air handling units and compressor units as well as confirming that all the activities are being conducted according to the designer's drawing and company procedures.

Dates : 2015

Employer : AL-AMAL Company

Job title : HVAC Engineer

Dates : 2014
Employer : AL-QUDS FACTORY
Job title : Maintenance Engineer