

101271-MEC-18CSY-E-2010
Mechanical Commissioning Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 9 years hands-on experience working in construction and commissioning at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/07/1988
Gender : Male
Marital Status : Married
Residence : Maadi, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 2010

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: Photo editing software

TRAINING COURSES AND CERTIFICATIONS

- : 3 months training at New Mansoura Water Treatment Plant.
- : 3 months training at OFFSHORE SHUKHEIR Oil Co.
- : 1 month training at Petroleum Gas Company (Petrogas).
- : NASP certificate for working at height.
- : NASP certificate for emergency evacuation and rescue.
- : Maintenance of gasoline and diesel engines course at Salesian Don Bosco.
- : Industrial Electronics course at Information Technology Center.
- : 300 hrs training course at National Organization for Military Production and Science & Technology Center of Excellence, including:
 - Computerized numeric controlled machines (CNC).
 - Programmable logic controllers (PLC).
 - Solid Edge design program.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2019 till now
Employer : [EGYPTROL](#), AC Boilers Subcontractor
Project : South Helwan Supercritical Power Plant 3x650MW
Job title : Mechanical Commissioning Engineer
- Dates** : From Jan. 2018 till 2019
Employer : Orascom for construction & industries
Project : West Assiut Add on 500MW Combined Cycle Power Plant
Job title : Mechanical Commissioning Engineer
Job Description :
 - Scope of work: Commissioning & start-up of 8 x Doosan HRSG, 2x250 GE steam turbine and BOP.
 - Inspecting & make final reinstatement of feed water & recirculation pumps after chemical cleaning of lines.
 - Performing solo run, and mechanical run tests on condensate, feed water & recirculation pumps of HRSG`s.
 - Performing leak test for HRSG`s lines, then N2 preservation.
 - Drain & warm up for the HRSG`s entire piping system prior to steam blowing.
 - Line up of system, and open drain valves to warm up the steam piping and close it after start-up.
 - Steam blowing of LP & HP main steam lines and the bypass.
 - Lube oil flushing of LP & HP steam turbine & hydrogen cooled generator.
 - Closed cooling water pumps mechanical run, and flushing the system.
 - Testing of firefighting, compressed air system, demineralized water and ACC vacuum pumps.
 - Performing hot clean for Air cooled condenser.
 - Support on starting up of the units with GE TA`s.
- Dates** : From Mar. 2016 till Dec. 2017
Employer : El Sewedy Electric
Project : Angola Emergency Power Plant 2016 (6x25MW), Angola
Job title : Mechanical Project Engineer
Job Description :
 - Scope of work: Engineering, Supply and construction & commissioning of 2 power plants with total capacity of 150MW (6x25MW, GE TM2500+).
 - Technical support during Design and Procurement stage.
 - Calculating and surveying material quantities for releasing the MTOs.
 - Positioning and erecting of the turbines and its auxiliaries.
 - Controlling subcontractors through the correct path in all constructions periods.
 - Constructing of 4 fuel tanks (2900 m3 each) in accordance with API 650.
 - Construction of 2 fire water tanks (800 m3 each).
 - Installation and commissioning of all the BOP`s equipment skids.
 - Supervising the fabrication and installation activities for the plant`s piping according to the applied WPS.
 - Supervising of fabrication and installation for all activities regarding to firefighting system.

Dates : From Jan. 2015 till Feb. 2016
Employer : El Sewedy
Project : TM 2500+ GE mobile turbine 20x25MW, Egypt
Job title : Mechanical Site Engineer
Job Description :

- Scope of work: Erection and commissioning of 4x25MW turbines and BOP.
- Positioning and erecting of 4 turbines and its auxiliaries.
- Installation of the fuel oil tanks and it's auxiliaries and instrumentation.
- Installation of Electrical equipment including Transformers and control modules.
- Installation and commissioning of the skids (unloading pump, forwarding pump, centrifuge skid, water tanks and filters).
- Fabrication and installation of the piping according to the approved DWGs and the applied WPS (ASTM A-106 grade B).
- Supervising of fabrication and installation for all activities regarding to firefighting system.
- Prepared outstanding punch list for recognition of project completion.

Dates : From Sep. 2013 till Jan. 2015
Employer : Mega for construction and industries
Project : Gabel El Zayt Wind Farm, Egypt
Job title : Mechanical Site Engineer
Job Description :

- Scope of work: Erection of 100 Wind Turbine Generator (WTG).
- Responsible for day to day activities and deploying the manpower as per the program.
- Checking Drawings and quantities to ensure that all the construction activities are according to GAMESA quality procedure.
- Working on MPM (Computer program to control the manpower's working hours per turbine every day).
- Inspecting the turbine before final quality inspection.
- Making all required reports.

Dates : From Jun. 2012 till Sep. 2013
Employer : MEGA for construction and industries
Project : Banha 750MW Combined Cycle Power Plant
Job title : Mechanical Site Engineer
Job Description :

- Scope of work: Erection of 2 Gas Turbine units 9FA (2x250MW) General Electric.
- Responsible for positioning of the 2 turbines and the 2 Generators.
- Responsible for erection of all auxiliary skids.
- Followed up and managed all the mechanical activities related to HYDROGEN COOLED GENERATOR and Turbine alignment.
- Installing all mechanical components (load coupling, combustion cans, inlet plenum, exhaust diffuser).
- Adjusted and aligned all Pumps (alignment, no load test, vibration & heat tests).
- Executed all pre-commissioning activities (Air blowing and water, oil, liquid fuel Flushing) according to GE's procedure.
- Followed up leak tests and final reinstatement of the piping.

- Followed up commissioning activities for all systems (Water injection, LFAA, Accessory module, CO2, etc...).
- Inspecting the air intake and ensuring readiness before the first fire.
- Inspecting the exhaust duct and all expansion joints before fire.
- Prepared outstanding work punch list.

Dates : From Dec. 2010 till Mar. 2012
Project : Military Service
Job Description : Preventive and corrective maintenance of Vehicles and mechanical equipment.