

101301-MEC-MOS-E-2011

Shift Charge Operator Engineer

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

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married
Residence : Damietta

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2011
: Diploma from Industrial Technical Institute (Automotive Department)

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

- : CAD CAM (Sinumerik D milling) course in ITC (Industrial Training Council) (Feb./Mar. 2008).
- : PLC course in ITC (Industrial Training Council) (Sep. 2009).
- : Micro-controller course in ITC (Industrial Training Council) (Sep. 2009).
- : Pumps maintenance course in ITC (Industrial Training Council) (Oct. 2009).
- : AUTOCAD 2D by KEMET in HTC (High Technology Center) in Cairo University / Faculty of Engineering (Jul. 2008).
- : Summer trainings:
 - Unione Air Condition Company, trained within the Window Air Conditioning Assignment Department (Jul./Aug. 2006).
 - IEP (International Electrical Products) BAHGAT GROUP (Jul. 2007).
 - EI-Nasr Automotive Manufacturing Company (Jul./Aug. 2007).
 - Damietta Spinning & Weaving (Jul. 2008).
 - DPA (Damietta Port Authority), certificate of Appreciation and First Place (Aug. 2008).
 - DPA (Damietta Port Authority) (Aug. 2009).

- DPA (Damietta Port Authority) (Jul. 2010).
- Arab Organization for Industrialization (air plane engines factory) (Jul. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2017 till now
- Employer** : PGESCO Co.
- Project** : West Damietta Power Plant 750MW Combined Cycle
- Job title** : Shift Charge Operator Engineer
- Job Description** : Supervision practice start-up and shut down and operation activities.
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- Dates** : From Jan. 2017 till Sep. 2017
- Employer** : ORASCOM Company
- Project** : NEW CAPITAL Power Plant (4800MW)
- Job title** : Site Engineer
- Job Description** : Practice construction, flushing of lube oil and hydrotest activities.
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- Dates** : From Dec. 2015 till Nov. 2016
- Employer** : NOMAC Company
- Project** : QIPP Qauraya Independent Power Plant (4000MW) in Saudi Arabia:
- 12 Horizontal Heat Recovery Steam Generators STF HRSGs
 - 6x218MW SIEMENS steam turbines
 - 12x218MW SIEMENS gas turbines frame SGT6-5000(5) GAS TURBINE
 - Auxiliaries (service, closed cooling, circulating systems....etc.)
 - 400KV GIS
 - 6 emergency diesel generators
- Job title** : CCR Operator
- Job Description** :
- Practice start-up and shut down and operation activities.
 - Operation of the 2 modules with all auxiliaries alone.
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- Dates** : From Sep. 2014 till Nov. 2015
- Employer** : INITEC Energia Company
- Project** : Giza North Power Plant (3x750MW):
- 6 Horizontal Heat Recovery Steam Generators STF HRSGs
 - 3x250MW Ansaldo Energia steam turbine
 - 6x250MW GE gas turbine frame (9FA)
 - Auxiliaries (service, closed cooling, circulating systems....etc.)
 - 500KV GIS
 - 220KV GIS
 - 3 emergency diesel generators
- Job title** : Commissioning, DCS Operation & Maintenance Engineer
- Job Description** :
- Practice all the commissioning, start-up and operation activities.
 - Lead the engineers and technical groups.
 - Follow the dispatch load request.
 - Perform periodical test.
 - Collect and analyze periodical data.

- Follow and deal with alarms in control room.
- Perform necessary measures before equipment start-up.
- Follow operation specification.
- Analyze equipment efficiency.
- Check availability of stand by equipment.
- Apply validated procedures.
- Perform safety work permit system.
- Qualification and field experience:
 - Commissioning & Start-up and operation of gas turbines.
 - Commissioning & Start-up and operation HRSGs.
 - Commissioning & Start-up and operation of steam turbines (cold start & warm start & hot start).
 - Attending of HRSGs change over from gas to oil fuel.
 - Start-up and operation all auxiliary systems (service water, closed cooling water, Circulating water, compressed air... etc.).
 - Check and operation the field equipments (valves, pumps, etc.).
 - Perform the steam blow-out activities for HP steam & HRH & CRH steam & LP steam lines (it's the most important test for the boiler before starting).
 - Perform the chemical cleaning according to procedures for condensate system & feed water system.
 - Attending of construction, start-up, commissioning, first energize for the transformers.
 - Operations and of high, medium and low electrical Voltage switch gears and load centers.
 - Responsible for site acceptance tests (cleaning, commissioning and & Function tests) for HRSGs STEAM TURBINE and its associated auxiliaries.
- Perform the sequence test for the following system: circulating water system, closed cooling, service water system, condensate system, feed water pumps (high pressure, low pressure), tube cleaning system, debris filter, condenser vacuum pump, water box vacuum pump, lube oil system & hydraulic oil system.
- Instrument and service air system.
- Potable water system.
- Cooling water intake equipment (sluice gate, traveling screen).

Dates : From Nov. 2013 till Aug. 2014

Employer : DOOSAN Heavy Industries & Construction Company

Project : EL-AIN SOKHNA Power Plant (2x650MW):

- 2 Supercritical Steam Generators and its capacity 2100 ton/hr per 1 boiler DOOSAN
- 2x650MW HITACHI steam turbine
- Auxiliaries (service, closed cooling, circulating systems....etc.)
- 500KV GIS
- 220KV GIS
- 2 emergency diesel generators

Job title : Commissioning, Operation & Maintenance Engineer for the Supercritical Boiler

Job Description : Practice all the commissioning, start-up and operation activities of the boiler and its auxiliaries.

- Dates** : From Apr. 2012 till Jul. 2013
- Employer** : [EGYPTROL](#) - Commissioning Subcontractor for ANSALDO CALDAIE S.P.A.
- Project** : Abu Qir Thermal Power Plant (2x650MW):
- 2 Thermal Steam Generators and its capacity 2050 ton/hr per 1 boiler Ansaldo Caldaie
 - 2x650MW Mitsubishi steam turbine
 - Auxiliaries (service, closed cooling, circulating systems....etc.)
 - 500KV GIS
 - 220KV GIS
 - 2 emergency diesel generators
- Job title** : Commissioning, Operation & Maintenance Engineer for the Boiler
- Job Description** : Practice and follow up all the commissioning and operation activities of the boiler and its auxiliaries.
- Dates** : From Feb. 2012 till Apr. 2012
- Job Description** : Worked as a Maintenance Engineer for a Ceaker factory includes a profile machine and NG small furnace.
- Dates** : From Oct. 2011 till Dec. 2011
- Job Description** : Worked as a Maintenance Engineer for a sheet metal factor and production of NG cylinders.
- Field of experience** :
- Commissioning and maintenance of the following System:
 - Water and steam cycle.
 - Combustion air /flue gases.
 - Natural gas, Mazout & Solar oil System.
 - Fire fighting system.
 - Shut off valves.
 - Fuel Oil heaters.
 - Good knowledge in maintenance of:
 - Heavy oil pump (gear pump, centrifugal pump).
 - Large Fan (forced draught fan, gas recirculation fan).
 - Mechanical seal and bearing replacement.
 - Alignment, vibration, speed and sound measurement.
 - Thickness measurement.
 - Air heater.
 - Soot blower system.
 - Valves as well as other boiler auxiliaries.
 - Scaffoldings.