

104675-MEC-1COS-E-2014
Supercritical Steam Boiler Operation Engineer

Holds a B. Sc. in Mechanical Power Engineering and has more than 7 years experience in installation, commissioning, start-up, operation and maintenance of power plants and their mechanical auxiliaries (Boiler, Gas Turbine, Steam Turbine, Pumps, Compressors, Fans, Regenerative air heater, Surface Condenser, Heat exchanger, Valves).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/08/1992
Gender : Male
Marital Status : Married
Residence : Gharbia

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Power Point, etc.), Internet
: AutoCAD
: Matlab

TRAINING COURSES AND CERTIFICATIONS

: ASNT NDT 5 Methods Inspection Course (VT, PT, MT, RT, UT) (Feb. 2022).
: Siemens on-shore training on SGT-2000E – Introduction for T3000 operation system (2015).
: Training in Abu Qir Power Station 2x650MW by ANSALDO CALDAIE (from Jul. till Oct. 2014).
: Training in AlQahera for Petroleum Refining, Kafr Elzayat branch (from Jul. till Sep. 2013).
: Training in Abu Qir Power Station 4x150MW + 1x320MW by (Abu Qir Training Center) (from Jul. till Sep. 2012).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2018 till now
Employer : AC Boilers SPA
Project : SOUTH HELWAN SUPERCRITICAL POWER PLANT 3x650MW GAS/OIL FIRED UNITS
Job title : Supercritical Steam Boiler Operation Engineer
Job Description :

- Commissioning and start-up for supercritical boiler.
- Commissioning for all Mechanical Equipment (FDF, GRF, sealing fans, Pumps, RAH, BCP, Burners).
- Commissioning for Aux boiler (14 bar, 51 T/H) and it's auxiliaries.
- Field Operator on supercritical boiler 650MW and it's auxiliaries and reporting the equipment condition during normal operation, start-up and shut-down.
- DCS Operator using Schneider DCS Foxboro EVO and Foxboro Foxview for auxiliary boiler.
- Supervising all mechanical maintenance activities for rotating and static equipment in boiler.
- Rotating Equipment: Boiler Feed water pumps electrical and turbine driven by KSB, Boiler circulation pump, condensate pump, Fuel oil Screw pumps, circulating water pumps, Service water pumps, closed cooling pumps, Vacuum pumps, Air compressors, Forced draft fan, Gas recirculation fan, Regenerative air heater.
- Static Equipment: High Classes Parcol Control valves, GE dresser Safety valves, Pentair Valves with auma actuator, TEA-BA Low Nox Burners, Separators and tanks).
- Prepare and Perform Chemical cleaning and Steam blowing for Boiler.

Dates : From May 2017 till May 2018
Employer : AC Boilers SPA
Project : WEST DAMIETTA POWER STATION 750MW COMBINED CYCLE
Job title : HRSG Operation Engineer
Job Description :

- Commissioning and start-up for 4 HRSG boilers.
- Commissioning for all Mechanical Equipment (HP and LP Drums, Diverter Damper, Bypass Stack Damper, Control Valves, Motor operated Valves).
- Prepare and Perform Chemical cleaning for HP & LP systems.
- Prepare and Perform Steam blowing for HP & LP systems.
- Field Operator on four HRSG 250MW and their auxiliaries and reporting the equipment condition during normal operation, start-up and shut-down.
- DCS Operator using Schneider Foxboro Foxview for HRSG.
- Supervising all mechanical maintenance activities for rotating and static equipment in boiler.

Dates : From Jul. 2016 till May 2017
Employer : El-Masrya Construction Company (MCC) - Subcontractor of Elsewedy Electricity (PSP) & Siemens
Project : Beni Suef 4800MW Combined Cycle Power Plant

Job title : Senior Mechanical Construction Engineer
Job Description :

- Senior Construction Engineer on the following systems:
 - Two HRSG units including its auxiliaries, equipment and Steel Structure.
 - 4 Air intake Supply system.
 - Exhaust bypass gas stack system and its auxiliaries and equipment for 4 units.
 - Enclosure of gas turbine for two units.
- Testing and commissioning for gas turbine systems such as lube oil, lifting oil, hydraulic oil, seal oil, Fuel gas, closed cooling, generator cooling hydrogen, Service and instrument air.

Dates : From Feb. 2015 till Jul. 2016

Employer : Elsewedy Electric PSP

Project : ATTAQA 650MW Simple Gas Cycle Power Plant

Job title : Siemens Gas Turbine Operation Engineer

Job Description :

- Commissioning and start-up for 4 SGT-2000E Gas Turbines.
- Commissioning of all mechanical systems such as lube oil, lifting oil, hydraulic oil, Fuel gas, Fuel oil, closed cooling, service & instrument air and Firefighting.
- Field Operator on four Siemens Gas turbine SGT-2000E each 165MW and their auxiliaries such as (Emergency diesel generator, compressor building, Pump house building, Base Module skid, Dual Fuel skid, Alfa Laval Fuel oil Treatment, closed cooling, Fin fan cooler) and reporting the equipment condition during normal operation, start-up and shut-down.
- DCS Operator using SPPA-T3000.

Dates : From Nov. 2014 till Feb. 2015

Employer : El-Masrya Construction Company (MCC) - Subcontractor of Elsewedy Electricity (PSP) & Siemens

Project : ATTAQA 650MW Simple Gas Cycle Power Plant

Job title : Mechanical Construction Engineer

Job Description :

- Enclosure of gas turbine for two units.
- Supervising on insulation works for gas turbine and exhaust bypass gas stack.