

Mechanical Commissioning, Operation & Start-up Engineer

Holds a B. Sc. in Mechanical Power Engineering and a Postgraduate Diploma in Power Stations. Has over 14 years hands-on experience working in operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/10/1983
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2006
: Postgraduate Diploma in Mechanical Engineering (Power Stations), Assiut University, 2012

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Steam Turbine GE Frame D200 Operation site specific (10 days).
: Steam Turbine GE Frame D200 Maintenance site specific (5 days).
: HRSG Doosan Operation site specific (5 days).
: Feedwater & Condensate Pumps, Hyosung Operation & Maintenance Site training (5 days).
: Gas Turbine GE Frame 9E Operation site specific (10 days).
: Gas Turbine GE Frame 9E Maintenance site specific (10 days).
: Gas Turbine GE Frame 9E Mark Vie at GE Company (10 days).
: Health & Safety Training Course (NIOSH) (10 days).
: Training program at Assiut University.
: Training program at Arab Contractors Company.
: Training program at CEMEX Assiut.

- : Training program at Water Pumping Station.
- : Training program at GE Company.
- : Training Combined Cycle Operation at GE Company.
- : Intel ® learn program.
- : ICDL
- : AutoCAD

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2015 till now
- Employer** : Upper Egypt Electricity Production Company (Owner)
- Project** : West Assiut 1500MW CCPP (GE Frame 9E Gas Turbine (8x125MW) and (2x250MW) GE D200 steam turbine)
- Job title** : Mechanical Commissioning, Operation & Start-up Engineer
- Job Description** :
- Commissioning Activities:
 - Daily follow up commissioning activities.
 - Following up 8 units GE 9E Gas Turbine Commissioning.
 - Commissioning for the of Gas Skids.
 - Start steam blow procedures and BOP operation.
 - Following up 8 Doosan HRSG Start-up & Commissioning.
 - Following up 2 Steam Turbine Frame D200 Start-up & Commissioning.
 - Following up Air cooled condenser (ACC) Leak-Test & Commissioning.
 - Following up Feedwater & Condensate Pumps Commissioning (Hyosung Company).
 - Following up Closed cooling, service water, Demi water & Transfer water Pumps Commissioning (Garbirino Company).
 - Following up Static Devices Commissioning.
 - Hydro-Test for 8 HRSGs, BOP Piping & Pressure parts.
 - Shift Lead Operation Responsibilities:
 - Check Safety Procedures and Plant reliability.
 - Monitor the operation of the combined cycle, running parameters an Auxiliaries operation from a safety and efficiency aspect.
 - Maintain the optimum performance of the all operating units.
 - Follow up safe start-up for equipment and for people.
 - Follow up (LOTO) isolation procedure for equipment maintenance.
 - Implementation of daily, weekly and monthly tests of major equipment and auxiliaries.
 - Inform about the daily faults that occur for equipment and the auxiliaries and following up maintenance actions.
 - Perform the daily report about the status of units and site action tracker report.
- Dates** : From Jan. 2015 till Jul. 2015
- Employer** : PSP Elsewedy
- Project** : Attaka Simple Cycle Power Plant (650MW) Siemens SGT5-2000E

Job title : Start-up & Commissioning Engineer
Job Description :

- Flushing for lube oil, hydraulic oil and lifting oil pipe.
- Flushing for closed cooling water system.
- Air blowing and hydro Test for natural gas pipe.
- Commissioning for firefighting system CO₂.
- Operation and monitoring performance of Siemens SGT5-2000E (V94.2) Single shaft single casing – twin vertical combustion chamber 170MW base load unit gas turbine.
- Carry out starting, normal operation Shut-down and stands still.
- Trouble shooting analysis.
- Analyze gas turbine faults and upsets investigate and recommend solutions.
- Operate all auxiliaries of gas turbine.
- Monitoring all readings of pressure, temperature, flow rate, vibration, valve position, liquid levels and power generated.
- Taking all steps to restore the normal operation condition in case of readings change due to causes not associated with the mode of operation.
- Operate with SPP-T3000 Control system.

Dates : From Feb. 2014 till Dec. 2014
Employer : Techint Company (Cimimontubi)
Project : Ain Sokhna Power Plant Supercritical (2x650MW)
Job title : Start-up & Commissioning Engineer
Job Description :

- Commissioning & Start-up for 2 steam turbines HITACHI 650MW.
- Commissioning & Start-up for 2 Dossan Boilers.
- Commissioning & Start-up feed water, condensate and heaters system.
- Commissioning & Start-up closed cooling, seal oil, lube oil, EHC system.
- Follow up (LOTO) isolation procedure for equipment maintenance.
- Follow up (LOTO) Safety Tags for equipment maintenance.
- Troubleshooting and Diagnostic Alarms.
- Ensure safe start-up for equipment and turbines.
- Follow up equipment test programs.
- Follow up and maintain quality and meet the targeted power demand.
- Maintain the optimum performance of the all operating units.
- Check Safety Procedures and Plant reliability.

Dates : From Jan. 2008 till Feb. 2014
Employer : Upper Egypt Electricity Production Company
Project : Assiut Thermal Power Plant (2x312MW)
Job title : Shift Engineer
Job Description :

- Start-up and shut-down 2 Steam Turbines 300MW (Ansaldo + Toshiba) and their Auxiliaries.
- Start-up and shut-down 2 thermal Boilers.
- Reporting the equipment condition during normal operation.
- Testing and changing-over for all mechanical equipment locally and from control room.
- Responsible for hydrogen production plant and all mechanical equipment.

- Making daily technical reports about the units' abilities and efficiencies.
- Work permit responsibility.
- Safe shutdown for equipment and for people.

Dates : From Sep. 2006 till Dec. 2007
Employer : Egyptian Contracting (Moukhtar Ibrahim)
Project : Water Treatment Station for Assiut New City
Job title : Mechanical Operation & Maintenance Engineer
Job Description : Responsible for Operating and Maintaining Centrifugal Pumps and their Axilliarries.