

Holds a B. Sc. in Mechanical Power Engineering and has about 13 years hands-on experience working in operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/06/1976
Gender : Male
Marital Status : Married
Residence : Damietta

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2004

LANGUAGES

Arabic : Native Language
English : Basics

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Ovation DCS – Emerson, Egypt.
- : Training Course in Instruments Maintenance, certified from EDEPC (East Delta Electricity Production Company).
- : Training Course in Siemens GTS (V94.2) Operation, certified from EDEPC (East Delta Electricity Production Company).
- : Training Course in GE GTS (9EA) Mark VI operation.
- : Training Course in GEC ALSTHOM (Steam Turbine & Auxiliaries), certified from EDEPC (East Delta Electricity Production Company).
- : Training Course in AEG (GIS) 220KV switchgear.
- : Training Course in AEG (GIS) 66KV switchgear.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2018 till now
Employer : GE
Project : SABIYA Add-on Project CCGT-1

Job title : PTW & LOTO Engineer
Job Description :

- Manage PTW and LOTO system on the site during the commissioning phase.
- Follow up all systems which are formally hand over from construction responsibility to commissioning responsibility for applying LOTO at the turn over to prevent unplanned energization.
- Apply initial isolations and danger tags for all systems which are hand over from construction to commissioning after signing TOPs and apply caution signs on each LOTO areas.
- Administration of LOTO log book (ensuring that all approved and rejected PTW have been enter in the LOTO log).
- Prepare energization form (ECP) before first energization for any equipment and communicate it for all persons on site and preparing all alerting devices and caution tags and stickers.
- Supporting commissioning and operation team in defining all isolations required related to any LOTO permit and highlighting it in P&IDs and load list and apply isolation on the systems.
- Preparing TIPs required for maintaining safety from system during first energization.

Dates : From Dec. 2017 till Dec. 2018

Employer : GE

Project : West Damietta 750MW CCGP:

- Four Gas Turbines GE Frame 9EA x 125MW.
- Four HRSGs Doosan horizontal flow HP & LP pressure.
- One Steam turbine ST D202 x 250MW.

Job title : PTW & LOTO Engineer

Job Description :

- Manage PTW and LOTO system on the site during the commissioning phase.
- Follow up all systems which are formally hand over from construction responsibility to commissioning responsibility for applying LOTO at the turn over to prevent unplanned energization.
- Apply initial isolations and danger tags for all systems which are hand over from construction to commissioning after signing TOPs and apply caution signs on each LOTO areas.
- Administration of LOTO log book (ensuring that all approved and rejected PTW have been entered in the LOTO log).
- Prepare energization form (ECP) before first energization for any equipment and communicate it for all persons on site and preparing all alerting devices and caution tags and stickers.
- Supporting commissioning and operation team in defining all isolations required related to any LOTO permit and highlighting it in P&IDs and load list and apply isolation on the systems.

Dates : From May 2016 till Dec. 2017

Employer : ELSWEDEY PSP Company

Project : Beni Suef 4800MW Combined Cycle Power Plant including four modules (10, 20, 30 and 40):

- Two CTGs x 400MW SGT5-8000H.
- Two vertical HRSGs (HP, IP, LP) with reheater (NEM).

- Job title** : One STG x 400MW (HP, IP, LP) (Siemens).
- Job Description** : PTW & LOTO Engineer
- Manage PTW and LOTO systems during construction and commissioning phases.
 - Apply initial isolations and danger tags for all MCCs and switchgears and systems which are hand over from construction to commissioning responsibility.
 - Supporting commissioning team in defining the isolation list required related to LOTO permits and applying these isolations on the system to make it safe for any activities.
 - Supporting commissioning and operation team in defining all isolations required related to any LOTO permit and highlighting it in P&IDs and load list and apply isolation on the systems.
 - Administration, maintenance and updating of data base.
 - Updating the site layout that identifies all operational areas and communicate it to all the sub-contractors in the site.
- Dates** : From Jun. 2015 till May 2016
- Employer** : ELSWEDEY PSP Company
- Project** : ATTAQA 650MW Simple Cycle Power Plant
(4 Gas turbines Siemens SGT5 2000E with total Power 650MW)
- Job title** : Operation Team Leader
- Job Description** :
- Managing the start-up & save shutdown and load controlling of all the units.
 - Working on SPPA-T3000 system for start-up & shutdown and controlling the units and troubleshooting the problems by making trends & events and alarm reports.
 - Lube oil system flushing.
 - Operation of gas turbine during performing tests (load rejection & house load & dummy and actual synchronization & over speed test & lube oil pumps test & performance test & trouble shooting of any upsets of the turbines.
 - Working on SPPA-T3000 system & troubleshooting the problems by making trends & events and alarm reports.
- Dates** : From 2013 till Jun. 2015
- Employer** : Power Generation Engineering & Services Co. (PGESCO)
- Project** : Banha 750MW Combined Cycle Project:
- Two CTGs x 250MW GE (MS9001FA).
 - Two Horizontal HRSGs (HP, IP, LP) with reheater x 330 t/hr (Ansaldo Caldaie).
 - One STG x 250MW (HP, IP, LP) (Ansaldo Energia).
- Job title** : Shift Charge Engineer & LOTO Engineer
- Job Description** :
- Coordination between all contractors during performing any construction & commissioning and operation activities on site.
 - Attending the daily commissioning & start-up meeting.
 - Review of all permit to work and attached sheets which may include (hot work permit & confined space permit and LOTO) to ensure safe conditions for work.
 - Review of all lockout & Tag out (LOTO) sheets attached with the permit

which including all components and systems which must be mechanical or electrical isolated for maintenance works and apply electrical and mechanical isolation on the GT, ST and BOP systems.

- Prepare and management of CTGs and STG tests & start-up and shutdown.
- Prepare a daily operation report directed to the Commissioning & Start-up Manager.

- Dates** : From 2006 till 2013
- Employer** : EDEPC (East Delta Electricity Production Company)
- Project** : Damietta Combined Cycle Power Plant (1230MW) Modules I, II & III:
- Two CTGs x 135MW Siemens (V94.2).
 - Two Horizontal HRSGs x 250 t/hr (BORSIG).
 - One STG x 140MW (GEC ALSTHOM).
 - Module auxiliaries.
- Job titles** :
- Siemens Gas Turbine Control Room Engineer
 - DCS Operation Senior Engineer
 - Senior Shift Charge Engineer
- Job Description** :
- Managing the start-up & save shutdown and load controlling of all the units.
 - Managing the proper application of the permit to work system on site.
 - Making lock out & Tag out (LOTO) sheet attached with the permit to work which including all components and systems which must be mechanical or electrical isolated for maintenance works.
 - Coordinate contact between the station and dispatch load centre.
 - Give advice, where and when required, to the responsible engineers for a hazard identification or risk assessment.
 - Analysis of Gas and Steam Turbines faults & upsets & alarms and trips and investigate, recommend solutions.
 - Performing periodic tests for Gas and Steam turbines.
- Further experiences** :
- Supporting two major and many minor inspections of Siemens (V 94.2) gas turbines.
 - Supporting many minor inspections of (GEC ALSTHOM) steam turbines.
 - Supporting GE (MS9001FA) commissioning & fuel gas tuning & fuel oil tuning & NOXs emission control and first start-up tests (Load rejection at different loads & House load test & over speed test at 110% & run back test & noise test & Equipment's change over test and Generator electrical tests).
 - Supervision of CC power plant during first rolling of (Ansaldo Energia) steam turbine & first synchronization and all STG commissioning tests (cold start-up & warm start-up & hot start up & load rejection at 100% & over speed test at 110% and 112% & Tightness test of HP and IP stop valves & Lube and seal oil pumps tests & Full stroke test for control and stop HP and IP valves & Full stroke test for LP stop and control valve & Speed channel test & ST single channel test (S90 unit).
 - Operating centrifugal compressors & reciprocating compressors & screw compressors.