

104965-ELE-1OS-E-2010
Shift Charge & I&C Commissioning Engineer

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

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/08/1988
Gender : Male
Marital Status : Single
Residence : Talkha

EDUCATION

: B. Sc. in Electronics & Communication Engineering, Mansoura University, 2010

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Power Point), Internet
: HTML programming for site design
: C# programming

TRAINING COURSES AND CERTIFICATIONS

: Certification from SIEMENS PG for H class gas turbine and T3000 control system.
: GE certification in MK VIe Maintenance course.
: Certifications from Talkha Power Plant Training Center in handling with Siemens gas turbine teleperm xp control system and HRSG (CMI Company) and steam turbine (Alstom Company) operation.
: 3 months training in Germany (Berlin, Erlangen and Muehlheim) for T3000 control system, 8000H gas turbine and steam turbine.
: 3 months training in Egypt with KWS Institute for basic engineering training.
: Psychological training for one month in Egypt.
: 3 weeks management and leadership training in Egypt.
: Certification in microcontroller chip hardware and programming.
: Certificate in C# programming language.

: Certificate in English language.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2016 till now
Employer : EEHC
Project : Burullus 4800MW Combined Cycle Power Station (4x1200MW)
(8000H gas turbine with 2000H Sgen hydrogen cooled generator, NEM once through benson boiler and steam turbine)
Job title : Shift Charge & I&C Commissioning Engineer
Job Description :

- Operate 8000H Siemens gas turbine.
- Participate in all commissioning tasks for 8000H (405.6MW) gas turbine.
- Make all tests and performance tests for all gas turbines.
- Operate 2000H SGEN hydrogen cooled generator and its seal oil auxiliaries.
- Participate in all commissioning tasks for seal oil skid and generator protection tests.
- Operate the units with T3000 control system.
- Participate in commissioning of T3000 control system and made some modifications on its logic system.
- I have made a modification on T3000 network and communication structure.
- Operate NEM HRSG BENSON boilers.
- Participate on all commissioning tasks of GIS (SICAM PAS) control system.
- Operate and made modification on Gas compressors at gas station.
- Do fault analysis and diagnostics with Siemens team to get optimum operating state for the units.

Dates : From Oct. 2010 till Mar. 2016
Employer : MDEPC
Project : Talkha 750MW Combined Cycle Power Station
(4000F Siemens gas turbine, CMI HRSG, Scoda Praha auxiliaries and Alstom steam turbine)
Job title : Operation Engineer
Job Description :

- Operation, Monitoring and Field (Site) Engineer at:
 - 2x250MW Siemens Gas Turbine Power Plant, Teleperm XP control system (Siemens).
 - 2 HRSG (CMI) & their auxiliaries (Skoda), Ovation control system (Emerson).
 - 250MW Alstom Steam Turbine, ALSPA P320-TGC control system (Alstom).
- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
- Performing the unit startups and shutdowns per assigned targets.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.
- Perform high/medium voltage switching operations.

- Raising defects for equipment & doing isolation and de isolation procedures according to the work permit.
- Handling plant firefighting.
- Follow up major overhaul activities for Gas turbines and Generator Inspection (SIEMENS V94.3A2).
- Participate in commissioning and start-up of ALSTOM (250MW) DKYZZ3-2N41C steam turbine.
- Start-up of ALSTOM (250MW) and CMI HRSG (through DCS & Ovation control system).
- Operation of ALSTOM (250MW) and CMI HRSG.
- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
- Performing the unit start-ups and shutdowns per assigned targets.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
- Follow up warranty Inspection activities for steam turbine ALSTOM (250MW).
- Daily Reports for the normal Operation of Units.
- Co-ordinate between Operation Dep. & maintenance departments to solve problems & Fix faults.

Dates : From May 2008 till Jun. 2010
Employer : PEP ARAB Company
Job title : I&C and Circuit Designer Engineer
Job Description :

- Made the GUI of chemical treatment software control system using INTOUCH software.
- Made the control system using Siemens S5 PLC control system.
- Design of the software using ladder diagram for chemical treatment control system of Talkha 750MW Power Station.

Engineering Skills:

- Experience in microcontroller chips for both hardware & programming.
- Experience in PLC programming & its hardware connection & DCS & SCADA systems.
- Good handler in FPGA programming using VHDL programming language & experience in its structure.
- Good handler in microprocessors & memory devices.
- Good handler with digital circuits & electronic devices testing technique.
- Very good in handling with internet networks (CCNA).
- Experience in using Matlab.
- Experience in C# programming.