

Holds a B. Sc. in Electronics (Computer & Control Sys.) Engineering and a Diploma of Control Systems. Has about 13 years experience working as I&C Engineer at New Talkha Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/09/1985
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electronics (Computer & Control Sys.) Engineering, Mansoura University, 2009
: Diploma of Control Systems, 2022

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: SPPA-T3000 Basics and Advanced Engineering.
: SPPA-T3000 Administration and Commissioning.
: At MDEPC Training Center (Egypt):

- Instrumentation and control of SIEMENS gas turbine.
- Operation of SIEMENS gas turbine.
- Instrumentation and control of CMI HRSG.
- Calibrating and troubleshooting measuring Devices.
- Operation of CMI HRSG.
- Basics of instrumentation and measurement.

: PLC programming languages, E. Center (Egypt).
: Comp. System Troubleshooting, Fujitsu Services (Egypt).
: Classic control, Egyptian Syndicate of Engineers.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2010 till now
- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Project** : New Talkha Power Station 750MW, which consists of:
- 2x250MW SIEMENS Gas Turbines SGT5-4000f v94.3A2 with SPPA T3000 control System.
 - 2 CMI & SKODA HRSG with Ovation control system provided by Emerson.
 - 1x250MW ALSTOM Steam Turbine with control system (P320TGC-S V2).
- Job title** : I&C Engineer
- Job Description** :
- From 2016 till now: Work on SPPA-T3000 (Siemens Corp. DCS).
 - From 2010 till 2016: Work on TELEPERM XP DCS.
 - 13 years of experience in the field of electrical Power Plants, working in the field of maintenance of instruments and control systems.
 - Upgrading Siemens DCS system from TXP to SPPA T3000, (replace old cabinet with new one, rewiring, Function Test, Cold commissioning, hot commissioning and start-up).
 - Participate in SIEMENS inspections for SGT5-4000f v94.3A2:
 - Minor 4 times.
 - HGPI 2 times.
 - eHGPI 6 times.
 - Participate in replacement of SIEMENS Generator 313 MVA.
 - Excellent knowledge of large frame Gas Turbines (SIEMENS SGT5-4000f v94.3A2).
 - SPPA-T3000 Engineering, Maintenance, Service and Administration.
 - Working experience on SPPA TELEPERM XP SIEMENS DCS system (Administration, troubleshooting), Gas turbine Governor SIMADYN-D using (RCOP, STRUC-G, STRUC L, and IBS) and FAIL-SAFE Controller.
 - Perform complex tasks on turbine equipment during new installation, repair or modification in accordance with work procedures.
 - Perform Software modification, Loading and restoring data and rectifying minor faults.
 - Troubleshooting I&C system daily alarms, faults and defects of instruments ensuring trouble free operation of the Power Plants.
 - Assessing server fault finding and diagnostic.
 - Working experiences on install, commission, loop check, calibrate and maintain all types of HART Transmitters.
 - Working experiences on Control valves, positioners feedback transmitters and I/P transducers.
 - Testing & maintenance of FIRE FIGHTING systems (Minimax).
 - Work on EMERSON DCS (Ovation) in CMI & SKODA HRSG.
 - Work with Siemens Continuous Emission Monitoring System (CEMS).
 - Good knowledge of PLC programming languages such as (IL-LDR-FB).
 - Make myself available during emergencies round the clock, in order to ensure the continuous and safe operation of the plant machinery.
 - Attend and assist Siemens commissioning team during all tests and reliability run.

- Ensure implementation of health and Safety policies and directives to health and safety at work places.
- Ensure Inventory balance and control for all instrument spare parts (SW & HW).
- Generate reports related to the maintenance work.
- Carry out preventive and corrective maintenance.
- Monitor parameters of running machines, trouble shoot and derive effective solutions to equipment problems.

- Field of experience :**
- SPPA T3000 / I&C Engineer.
 - Instrumentation and Control Engineer for installation, commissioning and maintenance activities with a demonstrated history of working in the power industry (Combined Cycle Power Plant (CCPP)).
 - Skilled in Troubleshooting and Maintenance Management.