

Holds a B. Sc. in Electrical Engineering (Industrial Electronics) and has over 8 years hands-on experience working in I&C field at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/01/1991
Gender : Male
Marital Status : Single
Residence : 5th Settlement, Cairo

EDUCATION

: B. Sc. in Electrical Engineering (Industrial Electronics), Benha University

LANGUAGES

Arabic : Native Language
English : Fluent
German : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: Prezi, Linux, C# basics

TRAINING COURSES AND CERTIFICATIONS

: Maintenance Planning and Scheduling, at Egypt, Certified by RES Global (2018).
: Maintenance Basics, at Erlangen - Germany, Certified by Siemens (2017).
: Steam & gas turbine controllers, at Fürth - Germany, Certified by Siemens (2017).
: DCS "Siemens Power Plant Automation SPPA-T3000" Engineering, Administration and Maintenance, at Karlsruhe - Germany, Certified by Siemens (2017).
: Basic Power Plant Training, at Egypt, Certified by Siemens (2016).
: Intercultural Training, at Egypt, Certified by Siemens (2016).
: Environment, Health and Safety, at Egypt, Certified by Siemens (2016).
: Management fundamentals, at Egypt, Certified by Siemens (2016).
: Leadership and Supervisory Skills, at Egypt, Certified by Siemens (2016).
: Psychology & Communication, at Egypt, Certified by Siemens (2016).

- : Project Management Professional (PMI), at Suez Engineers Syndicate, Egypt (2016).
- : Intercultural skills, at Impact for training and business consulting, Egypt (2015).
- : Electrical Maintenance for SGT5-2000E GT Package, Certified by Siemens (2015).
- : SIEMENS Power Plant Automation T3000 operation, at Erlangen - Germany, Certified by Siemens (2015).
- : TED event organizer, TED global (2014).
- : Quality assurance, at Attaqa Training Centre - Egypt (2014).
- : Water Treatment, at Attaqa Training Centre - Egypt (2013).
- : Measurement and control Instruments, at Attaqa Training Centre - Egypt (2013).
- : Occupational Safety and Health, at Attaqa Training Centre - Egypt (2013).
- : Internship I&C Engineer, at Savola Group United Sugar Company - Egypt (2008 - 2011).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Oct. 2016 till now
- Employer** : Siemens with East Delta Electricity Production Inc.
- Project** : New Capital Power Plant
(Combined Cycle Power Plant which contains 8 Siemens gas turbines (SGT5-8000H) and 4 Siemens steam turbines using Siemens Power Plant Automation (SPPA-T3000) as a Control System with total gross power of 4800MW)
- Job title** : I&C Engineer
- Job Description** :
- Perform and organize proper preventive maintenance for the I&C department.
 - SPPA-T3000 Control System H/W and S/W configuration, including the automation and application servers.
 - Cold loop check, hot loop check, fail safe function checks and all protection signals for the Gas turbine.
 - Fail Safe and Protection software configuration, also the configuration of the Fast Controller FM458 for steam turbine control.
 - Implementation firmware updates, patches and Logic modification.
 - Commissioning of the Gas Turbine Fuel Control valves and Calibration of IGV & VGVs.
 - Commissioning and Calibration of the Steam Turbine HP/IP/LP Stop and Control valves.
 - Install, inspect, calibrate, and test the field instruments like pressure, temperature and flow transmitters, also switches, Speed and Vibration Measurements also firefighting and telecommunication systems.
 - All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load, fail to ignite, normal shut down, Reliability Test).
- Dates** : From Mar. 2015 till Sep. 2016
- Employer** : East Delta Electricity Production Inc.

Project : Attaqa Gas Power Plant
(Simple Cycle Power Plant which contains 4 Siemens Gas Turbines (SGT5-2000E) using Siemens Power Plant Automation (SPPA-T3000) as a Control System (640MW))

Job title : I&C Engineer

Job Description :

- Starting in the Project from Scratch and Attend the Construction and Erection phase.
- Supervise the Installation of all I&C Equipment include Field Instruments, Control valves, Cable Trays, Cable Laying and I&C Cabinets.
- Carry out all modifications and Configuration on the system e.g. modify signals, Functional Diagrams, Alarms, trends, HMI, Archiving etc.
- Attend the Testing Phase of Cables and Instruments with the GT Protection System and the Fuel Control Valves and Inlet Guide Vane Tuning.
- Perform First Fire and the Hot Commissioning of the Gas Turbines with Siemens Personnel.
- Installation and Commissioning of the SPPA T3000 DCS.
- Working on Emergency Shutdown System (Braun System), Fire and Gas System (MINIMAX).
- Provided requested technical support during project operational phase.
- Collated and assessed all vendor and contractor documentation prior to payment submission.
- Evaluated project timelines and recommended cost reduction strategies.

Dates : From Dec. 2012 till Feb. 2015

Employer : East Delta Electricity Production Inc.

Project : Attaqa Steam Power Plant
(An Old Power Plant since 80's with Total Power Gross of 900MW using 4 Siemens Steam Turbines and Ovation DCS V3.3.1 from Emerson Process Management Co.)

Job title : Instrumentation Maintenance Engineer

Job Description :

- Fault Finding, Analysis and Troubleshooting, Calibration and Inspection of:
 - All Types of Field Instruments (Temperatures, Speed and Vibration).
 - All Types of Transmitters (Pressure, Flow and level) using HART Field Communicator.
 - All types of Control Valves (Motorized, Pneumatic or Hydraulic Actuated).
- Routine, Corrective and Preventive maintenance:
 - All Boiler Instruments and Burner Management System (BMS).
 - All Turbine Supervisory Instruments and Turbine SPC.
 - All Plant Auxiliaries (BOPs) Instruments.
 - Air Compressors.
- Analyse data and present findings in written reports.