

Holds a B. Sc. in Electronics & Electrical Communications Engineering and has over 12 years hands-on experience, including 9 years working in construction, commissioning, diagnostic control defects causes, troubleshooting and maintenance requirements for instrumentation and different control systems such as Mark VIe, Mark VI, PLC S7_400, PLC S7_300, ALSPA_P320 and RSLogix5000 in Power Plants Projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 28/12/1981
Gender : Male
Marital Status : Married
Residence : Helwan

EDUCATION

: B. Sc. in Electronics & Electrical Communications Engineering, Cairo University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Basic course of the operation and maintenance of GE Gas turbine Power Stations in EI-Kureimat Training Center by GE Trainers.
- : Basic course of GE control system for gas turbine (MARK VI) in EI-Kureimat Training Center by GE Trainer.
- : Basic course of the Siemens control system (PLC S-7 400) in MASS Training Center.
- : Basic course of the Allen Bradley control system (control logix controller) in Elsewedy Automation.
- : Training courses for steam turbine Generator Instrument & Control 270MW Steam Turbine DKYZZ3-2N41C in UEEPC Training Center, EI-Kureimat, by ALSTOM Trainers.
- : Basic course of operation and maintenance of ALSTOM Steam turbine in ALSTOM Training Center, Mannheim – GERMANY.

- : Basic course of ALSTOM control system "ALSPA P 320" in ALSTOM Training Center, Belfort – FRANCE.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2009 till now
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat III Combined Cycle Power Station (750MW)
- Job title** : I&C Maintenance Engineer
- Job Description** :
- Follow up (DLN2.6+Conversion, 32k and AGP for 9FA GE gas turbine:
 - Control System (MKVe migration):
 - TMR Markvi Migration hardware kit.
 - Servo VME kit.
 - Auxiliary panel support AGP and DLN2.6+ upgrade.
 - HMI Upgrades.
 - DLN2.6 conversion with opflex option and 32k advanced combustion hardware.
 - 9FA.04 advanced gas path (AGP) upgrade.
 - Working in the I&C Maintenance Department and work in the team responsible of:
 - Control system for (MARK VI) GE gas turbine 2x250MW Frame 9FA).
 - Siemens S7-400 PLC (for gas turbine auxiliaries).
 - Programming and troubleshooting of PLC S7-300, S7-400 and Allen Bradley RSLogix5000.
 - Developer for WINCC and Cimplicity program.
 - Field instruments.
 - Combustion inspection for GE gas turbine 2x250MW Frame 9FA).
 - Hot gas path for GE gas turbine 2x250MW Frame 9FA).
 - Major inspection for GE gas turbine 2x250MW Frame 9FA).
 - Major inspection of gas turbine Siemens (2x250MW).
 - Upgrade control system "ALSPA P 320" and inspection steam turbine (ALSTOM).
 - Make Maintenance work for control valves-hydraulic WOODWARD (calibrated it from Mark VI control system, calculate null bias current and put the gain according to TIL (technical information letter from GE Company) and check failsafe of all hydraulic valves (diffusion valve and premix valves and calibrate IGV (inlet guide vane) by control Mark VI and mechanical to adjust the angle. Control valves-motorized valve and adjust limits and stuck (AUMA-ROTORK) and control valve Flowserve & Siemens, Fisher, etc. (All Digital Positioned and Controller), Responsibilities included, Fault finding, Calibration and Inspection. Adjusted time of pneumatic gas valve purge of (D5, PM1, PM4) line.
 - Make loop check and continuity for signal defects from the field instrument to the control cabinets.
 - Transfer (add/remove) some protection inputs signals from simplex control to TMR control according to TIL of GE company in TOOLBOX software and termination cabinet.
 - Change all thermocouples of thrusts active and inactive and journal bearing of GE gas turbine 2x250MW Frame 9FA).
 - Calibrate hydrogen gas analyzer of generator hydrogen purity.

- Calibrate generator core monitor of generator.
- Calibration hazard gas sensor of turbine and generator by Methane and Hydrogen gas.
- Adjust gap of magnetic pickup speed sensor. Adjust gape of proximity sensors radial and axial and keyphasor VIBRATION SYSTEMS AS (BENTLEY NEVADA 3500 MONITORING).
- Help operator to safe the plant without any troubleshooting.
- Follow safety instruction in the work permit.
- Estimate the spare part required for the maintenance schedule.
- Instructor of Instrumentation and control in Siemens Company (ISCOSA TRANING CENTER) (SAUDI ARABIA – DAMMAM).

Dates : From Aug. 2008 till Dec. 2008
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : El-Kureimat III Combined Cycle Power Station (750MW)
Job title : I&C Commissioning Engineer
Job Description : UEEPC Representative, responsible for commissioning of all I&C works in:

- Loop check for all field instruments.
- MARK VI control system for two gas turbines (GE 9FA).
- Siemens S7-400 PLC (for gas turbine auxiliaries).
- Gas chromatograph for natural gas analysis.
- Test and commissioning of all field instruments.

Dates : From Jan. 2008 till Aug. 2008
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : El-Kureimat III Combined Cycle Power Station (750MW)
Job title : I&C Construction Engineer
Job Description :

- Responsible for I&C drawings review according to the contract specification for gas turbine and its auxiliaries (GE and TECHINT CIMIMONTUBI).
- Responsible for I&C drawings review according to the contract specification for HRSG and DCS (HRSG by CMI and DCS by ALSTOM ALSPA P320).
- Responsible for I&C drawings review according to the contract specification for steam turbine (ALSTOM).

Dates : From Nov. 2007 till Jan. 2008
Employer : Target Company
Job title : Programmer of PLC

Dates : From May 2004 till Nov. 2007
Employer : Armed Forced
Job title : Maintenance Engineer
Job Description : Responsible for maintenances the electronics area.