

Holds a B. Sc. in Electronics Engineering and has over 16 years' experience, including 11 years working in I&C and 5 years in operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/05/1985
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electronics Engineering, 2007

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Troubleshooting of Process Instrumentation and control (Jan. 2007): this training course provided by Iron Steel Factories in Graduation Project include PLC, Automatic Control and Instrumentation.
- : Electrical and Electronics Maintenance course (Dec. 2007): this training course provided by Pharaana Ceramic Company included:
 - Introduction to Electronic and Electrical components.
 - Checking and inspection of electronic components.
 - Omron PLC and Simple control.
 - Motor maintenance.
- : Gas Turbine Operation Systems Training (Aug. 2008): successfully completed Gas Turbine Operation Systems Training Course developed by PPTC (Power Plant Training Centre).
- : Maintenance of Electronics cards in Benha Electronics Company (Jan. – Mar. 2009).
- : 1 month training Gas Turbine Speed tronic Mark VIE control maintenance Training Course developed by G.E company in site.
- : 1 month training on steam turbine control system in ANSALDO ENERGIA Company at Italy.

- : One week in ABB Company for PGP & Symphony Harmony Infi90 (ABB) Control system at Italy.
- : One month training on steam turbine control system in ANSALDO ENERGIA Company in site.
- : One week in ABB Company for PGP & Symphony Harmony Infi90 (ABB) Control system in site.
- : One month training on DCS system (CENTIM VP) in YOKOGAWA MIDDLE EAST Company in site.
- : One week training on HP/IP-LP BOILER FEED PUMPS and condensate extraction pumps in site.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2023 till now

Employer : PetroChina Oil & Gas, Iraq

Job title : Senior I&C Engineer and I&C Trainer

Job Description :

- I&C Engineer of 5 Gas turbines (30MW) with GE MK Vie control system:
 - ALL field instruments (thermocouples, vibration, flow, pressure and level transmitters, all servo valves and pneumatic actuators) Calibration & Installations & commissioning & loop check with control system.
 - Review all submittals from the contractors and the subcontractors.
 - Monitor daily installation progress and check all activities at site according to engineering.
 - Check all received materials at site to ensure their correct manufacture, model and type.
 - Prepare and keep the documentation of the daily progress report.
 - Calibration of all field instruments at labor before installation for example:
 - ❖ Field transmitters (Siemens & ABB).
 - ❖ Temperature sensors (thermocouples and RTDs) calibration check.
 - ❖ Vibration monitor systems (Bentley Nevada 3500).
 - ❖ Actuators (electrical (Auma), pneumatic (Valve)).
 - All instruments installations, commissioning & loop check with MARK Vle control system:
 - ❖ PLC (OMRON, Siemens Step7300, Allen Bradley PLC logix1400).
 - ❖ 3500 Bentley Nevada vibration system.
- I&C Trainer: Train Engineer on transmitters, sensors, vibration monitor systems, Control systems.

Dates : From May 2013 till Mar. 2023

Employer : Middle Delta Electricity Production Company

Project : New Project of 750MW CCPP

Job title : I&C Engineer

Job Description :

- I&C Engineer of 2 Gas turbines (GE F9A 250MW) with GE MK Vie control system.
- I&C Engineer of 1x250MW ANSALDO ENERGIA Steam turbine with Symphony Harmony Infi90 (ABB) Control system.

- ALL field instruments (thermocouples, vibration, flow, pressure and level transmitters, all servo valves and pneumatic actuators) Calibration & Installations & commissioning & loop check with control system.
- Review all submittals from the contractors and the subcontractors.
- Monitor daily installation progress and check all activities at site according to engineering.
- Check all received materials at site to ensure their correct manufacture, model and type.
- Prepare and keep the documentation of the daily progress report.
- Calibration of all field instruments at labor before installation for example:
 - Field transmitters (Siemens & ABB).
 - Temperature sensors (thermocouples and RTDs) calibration check.
 - Vibration monitor systems (Bentley Nevada 3500).
 - Actuators (electrical (Auma), pneumatic (Valve)).
- All instruments installations, commissioning & loop check with MARK Vle control system and Symphony Harmony Infi90 (ABB) control system.
- Standalone systems function check and interface with MARK Vle control system and Symphony Harmony Infi90 (ABB) Control system:
 - Bypass system with Siemens Step7300 PLC.
 - 3500 Bentley Nevada vibration system.
 - Debris filter & Tube cleaning with control logic Allen Bradley PLC logix1400.
- Control system - MARK Vle and Symphony Harmony Infi90 (ABB) proper function, sequence and logic test.

Dates : From May 2008 till May 2013
Employer : Cairo Electricity Production Company
Project : Cairo North Power Station
 1500MW Combined Cycle Power Station, composed of two modules, our module consists of 2 Gas turbines (GE F9A 250MW) Supplying 2 HRSG's (NEM) Operating 1 Steam turbine (ALSTOM 250MW), GE gas turbines automated with GE MK VI control system and the 2 HRSG's of NEM are equipped with GE MK Vie control system.

Job title : Power Station Operation Engineer

Dates : From Dec. 2007 till May 2008
Employer : Pharaana Ceramic Company
Job title : Maintenance Engineer