

Holds a B. Sc. in Electrical Engineering. Has more than 17 years of experience in power plant projects. During this period, he worked in combined cycle, simple cycle and thermal power plant projects, supervising all commissioning activities (loop check, function test and instrument calibration). Has extensive experience on Mark VIe (GE) Control system. In addition, he worked on all kind of field instruments and instrument calibration tools. He is very good in troubleshooting, fault analysis and all maintenance activities.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/05/1977
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. Electrical Engineering (Nuclear Power), Alexandria University, 2000

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Training in France on Mark VIe (GE).
: Training in Germany on gas turbine (SIEMENS).
: Training in Nubaria Site on steam turbine (MITSUBISHI).
: Training on vibration analysis system (BENTLY NEVADA, System 1).
: Training on operation and maintenance of combined cycle unit (WDEPC).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2016 till Jan. 2018
Employer : GE (Non – GE)
Project : AlKhoms Power Plant (2 x 9 FA GE Gas Turbine)
Job title : Controls TA

Job Description :

- Commissioning & start-up of 2 x 9FA GE gas turbine and its auxiliaries.
- Commissioning and start-up of Emerson gas chromatograph.
- Commissioning and start-up of the generator H2 analyzer.
- Commissioning and start-up of generator gas condition monitoring system.
- Commissioning and start-up of the generator gas dryer.
- Commissioning and start-up of Tayco CO2 firefighting system.
- Tuning of combustion dynamics & NOX of the gas turbine.
- Executing of thermal and emission performance test of the gas turbine.

Dates : From Jun. 2015 till Apr. 2016

Employer : Al Ghanim International

Project : Az Zour South OCGT (2 Siemens Gas Turbine SGT5- PAC 4000F)

Job title : Lead I&C Warranty Engineer

Job Description :

- Ensuring that the O&M Operator is operating and maintaining the entire plant in accordance with the manufacturer's instructions, and notifying the Company and the O&M Operator of any shortcomings.
- Providing technical advice and support to the O&M Operator.
- Monitoring the performance and availability of the plant.
- Assisting with troubleshooting.
- Acting as liaison with the Contractor's head office for the clearance of any defects existing on Takeover or occurring during the warranty period, to ensure that they are cleared promptly.
- Acting as liaison with the Contractor's head office for providing any additional information, clarification and procedures that company may require during the warranty period and ensure that all such assistances provided expeditiously.

Dates : From Jul. 2014 till May 2015

Employer : Al Ghanim International

Project : Az Zour South OCGT (2 Siemens Gas Turbine SGT5- PAC 4000F)

Job title : Senior I&C Commissioning & Start-up Engineer

Job Description :

- Perform the I&C testing for all the I&C equipment in accordance with the local codes & standards.
- Conduct joint walk downs with construction department for the system handover.
- Follow up and track the I&C per-commissioning and coordinate it with I&C construction department.
- Commissioning the instrument or control system in accordance with the approved procedures and site HSE standards.
- Coordinate with engineering/design company in case of errors or changes.
- Markup all the I&C drawings in case of changes and submit the as-built to engineering/design company for approval and revisions.
- Troubleshoot the issues or problems found during testing or commissioning and achieve the solution in reasonable manner.
- Perform and organize proper preventive maintenance for the I&C equipment as per the vendor O&M manuals and archive the maintenance records.
- Commissioning & start-up of Atlas Copco centrifugal gas compressor.

Dates : From Apr. 2011 till Jun. 2014
Employer : Kharafi National
Projects :

- Al-Shabab Power Project (8x125MW GE gas turbine)
- West Damietta Power Project (4x125MW GE gas turbine)
- Damietta Power Project (4x125MW GE gas turbine)

Job title : I&C Commissioning & Start-up Engineer
Job Description :

- Making loop check and function test.
- Commissioning and start-up of all GT systems (air processing unit – gas fuel – oil fuel – inlet guide vane – lube oil & hydraulic oil – closed cooling – inlet air filter – flame detector – turbine & compressor water wash – water injection – evap. Cooler – CEMS – Gas Chromatograph).
- Calibration of all field instruments.
- Calibration of supervisory instruments.
- Calibration of inlet guide vane.
- Commission and start-up of fire protection system.
- Calibration of all valves (pneumatic – motorized – hydraulic).
- Having good experience of Mark IVe.
- Making of CI inspection & conversion to DLN1.

Dates : From Dec. 2009 till Apr. 2011
Employer : Initec Energia
Project : El-Tebbin Thermal Power Station 2x350MW
Job title : I&C Commissioning & Start-up Engineer
Job Description :

- Commissioning and start-up of ALSTOM steam turbine and all of its auxiliary systems.
- Commissioning and start-up of all BOP systems (Circulating water system – closed cooling water system – service water system – feed water heaters – Instrument & service air).
- Calibration of all types of instruments (pressure transmitters and switches, flow transmitters, level transmitters and switches, all types of thermocouples and RTD...).
- Calibration of all types of shut off and control valves (motorized (rotork, auma and EMG), pneumatic (CCI, Flowserve and masoneilan) and hydraulic (CCI) valves).
- Working on all types of instrument calibration tools.
- Making loop check and function test.
- Troubleshooting all I&C faults and making all kind of maintenance activities.
- Closing punch items and working on turn over package.

Dates : From Oct. 2006 till Nov. 2009
Employer : West Delta Electricity Production Company (WDEPC)
Project : Nubaria Power Station I & II (2x750MW Combined Cycle)
Job title : I&C Maintenance Engineer
Job Description :

- Responsible for the routine and the corrective maintenance for the Steam turbine control system (Operation, Monitoring System and Engineering System) and its instrumentation.
- Receiving spare parts from the companies in the project site.

- Maintenance for debris filter and condenser tube cleaning system.
- Make overhaul maintenance for steam turbine with MITSUBISHI and gas turbine SIEMENS.
- Maintenance for circulation water pump, service water pump and closed cooling water pump.

Dates : From Jan. 2005 till Sep. 2006
Employer : West Delta Electricity Production Company (WDEPC)
Project : Nubaria Power Station I & II (2x750MW Combined Cycle)
Job title : Instrumentation Construction & Commissioning Engineer
Job Description :

- Responsible of review all I&C drawings & Submittals for steam turbine (MITSUBISHI).
- I was West Delta Witness Engineer during construction, commissioning and start-up of the steam turbine.
- Approving design & submittals, site acceptance tests, commissioning for steam turbine generator (MITSUBISHI).
- Responsible for review all technical submittals Auxiliaries of the steam turbines (Circulation water pump, service water pump, closed cooling water pump, debris filter and condenser tube cleaning system).
- Calibration of all instruments in field (pressure transmitters & switches – level transmitters & Switches – thermocouples – smart valves).
- Review and comment on all I&C construction documents and drawings (P&ID).
- Verify all required erection drawings, standards, procedures & project specifications have been received by contractor.

Dates : From Apr. 2003 till Dec. 2004
Project : Damanhur Combined Cycle Power Station
 (4x25MW Gas Turbine, 1x58MW Steam Turbine)
Job title : I&C Maintenance Engineer