

100204-ICX-CMOS-E-2003 Senior I&C Commissioning & Start-up Engineer
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Holds a B. Sc. in Electronics Engineering and has about 11 years hands-on experience in power plant projects. During this period he worked in combined and simple cycle, supervising all commissioning activities (loop check, function test and instrument calibration). He has a long experience on ALSPA 320 (Alstom) and Mark Vie (GE) Control systems. 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 : 01/11/1977
Gender : Male
Marital Status : Married
Residence : Currently Kuwait

EDUCATION

: B. Sc. in Electronics Engineering, Menoufia University, 2003

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Combined Cycle Operations in Abu Qir Center, Alexandria.
: GE Maintenance training course at Nubaria site.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2014 till now
Employer : Alghanim International General Trading & Contracting Co. WLL
Project : Sybia MEW-08, Kuwait
Job title : Senior I&C Commissioning & Start-up Engineer
Job Description :

- Commissioning and start-up of 2 Siemens gas turbine frame SGT5-4000F.
- 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 change.
- Mark up 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.

Dates : From Feb. 2012 till May 2014
Employer : KHARAFI NATIONAL
Project : West Damietta Power Station
Job title : I&C Commissioning & Start-up Engineer
Job Description :

- Commissioning and start-up for 4 Gas Turbine Frame 9E.
- Pre-commissioning & commissioning GT's.
- All communication necessary for GT's according to 4108 Document.
- Power-up and energized all control cabinets and control panels and PEEC's.
- Cold loop, Hot loop checks and Function checks for the Gas turbine Signals.
- Function check for all GT's Equipment's.
- Pre-start-up checks before run the GT's.
- Start-up Gas turbine FSNL and load GT for Base load.
- All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load, fail to ignite, normal shut down, Reliability Test).
- Performance test for 4 gas turbines GE 9E (MARK VIe).

Dates : From May 2011 till Feb. 2012
Employer : KHARAFI NATIONAL
Project : Damietta Power Station
Job title : I&C Commissioning & Start-up Engineer
Job Description :

- Commissioning and start-up for 4 Gas Turbine Frame 9E.
- Pre-commissioning & commissioning GT's.
- Power-up and energized all control cabinets and control panels and PEEC's.
- All communication necessary for GT's according to 4108 Document.
- Cold loop, Hot loop checks and Function checks for the Gas turbine Signals.
- Function check for all GT's Equipment's.
- Pre-start-up checks before run the GT's.
- Start-up Gas turbine FSNL and load GT for Base load.
- All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load, fail to ignite, normal shut down, Reliability Test).

- Performance test for 4 gas turbines GE 9E (MARK VIe).

Dates : From Feb. 2010 till May 2011
Employer : KHARAFI NATIONAL
Project : Al-Shabab Power Station
Job title : I&C Commissioning & Start-up Engineer
Job Description :

- Commissioning and start-up for 4 Gas Turbine Frame 9E.
- Pre-commissioning & commissioning GT's.
- Power-up and energized all control cabinets and control panels and PEEC's.
- All communication necessary for GT's according to 4108 Document.
- Cold loop, Hot loop checks and Function checks for the Gas turbine Signals.
- Function check for all GT's Equipment's.
- Pre-start-up checks before run the GT's.
- Start-up Gas turbine FSNL and load GT for Base load.
- All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load, fail to ignite, normal shut down, Reliability Test).
- Performance test for 8 gas turbines GE 9E (MARK VIe).

Dates : From Mar. 2008 till Feb. 2010
Employer : ALSTOM Power Turbo Machine
Project : Nubaria III Combined Cycle Power Plant 750MW
Job title : I&C Commissioning & Start-up Engineer
Job Description :

- Commissioning and start-up for Steam turbine ALSTOM (ALSPA P320).
- Pre-commissioning & commissioning for Steam Turbine.
- Power-up and energized all control cabinets and control panels.
- Cold loop, Hot loop checks and Function checks for the Steam Turbine Signals.
- Function check for all Steam Turbine Equipment's.
- Pre-startup checks before run the Steam Turbine.
- Steam Turbine start-up testing (Emergency Trip, Over Speed, Load Rejection).
- Reliability test, Performance test and pinch Mark test.

Dates : From Apr. 2006 till Mar. 2008
Employer : Middle Delta Electricity Production Company
Project : Nubaria Combined Cycle Project of Module III (750MW) Power Station (DCS):

- Two GE gas turbines 250MW frame MS9001FA.
- Two horizontal STF HRSGs.
- One ALSTOM steam turbine 250MW (HP, IP, LP stages).
- Auxiliaries (service, closed cooling, circulating systems, etc.).
- 500KV switchyard.
- Medium and low voltage switchgears.

Job title : I&C Construction & Commissioning Engineer

- Job Description** :
- Commissioning and start-up for service water pump and lubricant skids.
 - Commissioning and start-up for traveling water screens.
 - Commissioning and start-up for closed cooling water pump and demi water pumps.
 - Commissioning and start-up for ILLWS.
 - Commissioning and start-up for circulating water pumps and condensate water pumps.
 - Commissioning and start-up for ALSTOM steam turbine generator P320.
 - Megger and continuity test for control cables.
 - Supervise the installation and calibration for ultrasonic level transmitters (Rosemount 3100) and setting of universal control.
 - Supervise the installation of conductivity level switch in steam line.
 - Supervise the installation of Pneumatic and motorized valves.
 - Supervise the installation of all general electric field mounted (CP-117).
 - Dealing with electronics circuits and the related data sheet.
 - Supervise the installation of Temperature transmitters (thermocouple, RTD).
 - Supervise the installation and calibration of (pressure, temperature, level) indicators, transmitters and switches.
 - Supervise the installation of STG and auxiliaries (Lube Oil Skid, Gland Steam Condenser, Vacuum Condenser Pumps, and Debris Filter).
 - Supervise the installation of junction boxes and the connection between them and control panel (CLC and OLC).
 - Ability to use hart communicator (375).
 - Supervise the installation of thermocouples for measuring turbine casing temperature.
 - Familiar with contactor technical specification and P&ID.
 - Supervise the installation and adjustment of Vibration sensors (seismic and proximities) for measuring case vibration and shaft vibration for turbine and generator, and also shaft (axial) displacement of rotor.
 - Supervise loop check and function test for all instrument devices (RTD, thermocouples, transmitters, switches, flow meters, etc.).
 - Supervise the installation and commissioning of DCS and PLC control systems as well as logic test for all systems.
 - Supervise, function test, loop test, commissioning, start-up, reliability test for GE Gas Turbine 9FA.

Dates : From Mar. 2005 till Apr. 2006

Employer : Middle Delta Electricity Production Company

Project : Nubaria Combined Cycle (2x750MW) Power Station I & II (DCS):

- Two modules, each module consists of:
 - Two SIEMENS gas turbines 250MW type V94.3A.
 - Two horizontal ALSTOM HRSGs.
 - One MITSUBISHI steam turbine 250MW (HP, IP, LP).
 - Auxiliaries (service, closed cooling, circulating systems, etc.).
- 220KV switchyard.
- 500KV switchyard.
- Four tie transformers 500/220KV.
- Medium and Low Voltage switchgears.

Job title : Operation Engineer

Job Description : Operation of Gas Turbines (Siemens), Steam Turbines (Mitsubishi) and HRSG (ALSTOM).

Field of experience :

- I&C Commissioning & Start-up Engineer with about 11 years of experience in power plant projects. During this period I worked in combined and simple cycle, supervising all commissioning activities (loop check, function test and instrument calibration). I have a long experience on ALSPA 320 (Alstom) and Mark Vie (GE) Control systems. In addition, I worked on all kind of field instruments and instrument calibration tools. I am very good in troubleshooting, fault analysis and all maintenance activities.
- I&C Commissioning and Start-up Engineer for Gas and Steam Turbines.
- I&C Construction Engineer for Gas and Steam Turbines.
- Start-up and operation for Gas, Steam Turbines and auxiliaries.
- Check the field equipments (valves, pumps, transmitters...etc.).
- Supervise all pre-commissioning and commissioning activities.
- Make sure all the preconditions for commissioning of individual units and overall plant is granted.
- Make sure all the technical documents necessary for commissioning of different units is available with commissioning team.
- Be aware of commissioning schedule of the site and accordingly divide the work through comm. team and allocate needed resources such as manpower and tools.
- Make sure that all necessary tools and equipment for comm. are available with the team and calibration is already performed.
- Check availability of suppliers commissioning supervisor in case they are required.
- Make sure all systems are completed and have CCC before taking over by comm. team and following up to remove the remaining open points through punch lists by installation team.
- Commissioning check lists are to be completed and the critical records highlighted.
- Have a complete list of cold and hot loop checks and take them under control for daily/weekly/monthly progress.
- Good knowledge of interfaces between different units by which will provide a correct sequence of commissioning activities.
- Make sure that for all the commissioning works LOTO procedures are held and should fully get involved to PTW system.
- Close connection with HSE unit to make everybody aware of likely danger potentials of commissioning activities.
- Plan all individual units and overall plant are handed over to client after completion of commissioning.
- Supervise all acceptance tests of units.
- Report to the Commissioning Manager.