

102533-ICX-1CMOS-E-2005

Instrumentation Commissioning Engineer

Holds a B. Sc. in Electronics & Communication Engineering and has about 13 years hands-on experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/08/1983
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Electronics & Communication Engineering, Tanta University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : SPPA-T3000 Engineering, Maintenance & Services in Siemens Power Academy, Karlsruhe, Germany (May 2016).
- : SPPA-T3000 Administration and commissioning, Karlsruhe, Germany (Jun. 2016).
- : PMP preparation course (Sep./Oct. 2016).
- : Combined Cycle operations in Nubaria Center.
- : Siemens gas turbine maintenance training course from SIEMENS (Oct. 2016).
- : Mitsubishi steam turbine operation & maintenance training course.
- : Data Communication and Networking Advanced Course in Panasonic Company.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2018 till now
Employer : ENI Company

Project : Zohr Gas Development Project, Port Said
Job title : Instrumentation Commissioning Engineer (Automation & DCS)
Job Description :

- Loop check and function testing for all field instruments and valves.
- Follow up construction and commissioning work and update daily status and daily reports.
- Work with vendors and technical advisors during their site visits.
- Prepare work permits and work plane as per site regulations.
- Carry out commissioning work from DCS using Invensys EVO 2014 system.
- Carry out cause and effect and control narrative testing.
- Make Marked up drawings and as built for project documents.
- Responsible for programming, implementing, testing and commissioning industrial projects in PCS7.
- PCS7 System simulations, start-up and check-out.

Dates : From Apr. 2016 till Jan. 2018
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Combined Cycle Power Station (2x750MW)
Job title : I&C Commissioning & Maintenance Engineer in Siemens Gas Turbine V94.3A
Job Description :

- Working as I&C Engineer during the commissioning and start-up of SIEMENS gas turbine V94.3A with SPPA-T3000 control system.
- Upgrade the control System from Teleperm XP to SPPA T3000 for all Units.
- Installing SPPA-T3000 control system components such as (panels, Automation servers, Application servers, Swap out servers and Thin clients).
- Responsible for programming, implementing, testing and commissioning industrial projects in PCS7.
- Implementation of Interconnection drawings & logics. This involves understanding the documentation and implementing them with standard Siemens DCS Tools like SPPA T3000 for Software and Tec4FDE for hardware engineering.
- Setting up SPPA-T3000 system in line with the Siemens commissioning procedure.
- Commissioning of SPPA-T3000 components like:
 - I&C cabinets, automation processors (S7-400).
 - SPPA-T3000 Bus systems for communication (Profi-Bus) between I&C Components.
 - SPPA-T3000 Application servers, thin clients, WIN-TS, printers.
 - SPPA-T3000 Network configuration, firewall setup, router configuration.
 - SPPA-T3000 OPC Interface, black box interfaces.
 - Malware prevention system.
 - Configuration of SPPA-TT3000 Remote Access.
 - Implementing firmware updates and patches.
 - Regular back up of the SPPA-TT3000 system.
 - Control Initial Powering up of SPPA-TT3000 LAN cabinets and SPPA-TT3000 cabinets.
 - Start-up and initial loading of SPPA-TT3000 automation

- processors.
- Setting up SPPA-TT3000 Clients, Printers, Swap-Out-Server.
- Performance of redundancy tests of the devices.
- Ensuring Compliance with the environmental, fire protection and occupational health and safety regulations.
- Completion of I&C commissioning documents and preparation of the associated commissioning documentation package, as well as redlining documents which have to reflect AS-BUILT conditions.
- Maintenance Activities in Fuel Gas system, Fuel Oil system, Water Injection system and Fuel Gas Control Valves and CV calculation for valves.
- Check the loop for DCS, cold commissioning and assistance during hot commissioning as owner side.
- Leading the team members working in different function areas of the plant.
- Major and minor inspection for the gas turbine.
- Maintenance and troubleshooting for speed and vibration sensors.
- Analysis hardware and software errors.
- Dealing with the I/O cards, installation, Programming and faults recovery.
- PLC Siemens S7 programming and troubleshooting.
- Maintenance and troubleshooting for gas detection system, fire alarm system and fire fighting system
- Maintenance & calibrate of all types of field instruments such as temperature, pressure, Level, Flow, vibration, Speed, detectors, Transmitters, switches, Gauges and Control Actuators. Hydraulic, Pneumatic Motorized Control valve, ON/OFF Valves, Gas Detectors, Analyzers and loop checking of open and closed Loop Control system.
- Make overhaul maintenance for steam turbine with MITSUBISHI.
- Supervise the installation of STG and auxiliaries (Lube Oil Skid, Gland Steam Condenser, Vacuum Condenser Pumps, and Debris Filter).
- Commissioning, Calibration, Test, Installation, and Maintenance for HRSG different field instrumentation.
- Removing and Re-installing all instrument types in Gas turbines during overall maintenance outages (4 Gas turbines V94.3A).

Dates : From Oct. 2015 till Mar. 2016

Employer : [EGYPTROL](http://www.egyptrol.com), GE Energy Subcontractor

Project : Samalut – GE TM 2500

Job title : Operation, Commissioning & Maintenance Engineer in GE Gas Turbine TM2500

Job Description : Good experience in GE Gas Turbine TM2500 in the following systems:

- Dual fuel system with water injection system.
- Ventilation and combustion air system.
- Hydraulic start system.
- Turbine lube oil system.
- Gen. lube oil system.
- Instrumentation auxiliary system.
- Vibration monitoring system.
- Low voltage AC & DC system.

Dates : From May 2013 till Sep. 2015
Employer : [EGYPTROL](http://www.egyptrol.com), SAMSUNG C&T Subcontractor
Project : Qurayyah Independent Power Project (6x750MW) – Combined Cycle, KSA:

- Twelve (12) Siemens SGT6-PAC 5000F Gas Turbine Generating Units (GTGs 229MW).
- Twelve (12) Heat Recovery Steam Generators (HRSGs).
- Six (6) Siemens SST6-4000 Steam Turbine Generators (STGs 226MW).SPPA T-3000 control system.

Job title : I&C Commissioning & Maintenance Engineer
Job Description : Good experience in Commissioning, Calibration, Test, Installation and Maintenance for different field instrumentation.

Dates : From May 2010 till Apr. 2013
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Power Station I & II – 3x750MW Combined Cycle:

- Four SIEMENS gas turbines 4x250MW.
- Four ALSTOM heat recovery steam boiler (HRSG).
- Two MITSUBISHI steam turbines 2x250MW.
- Two GE gas turbines 2x250MW.
- Two STF heat recovery steam boiler (HRSG).
- One ALSTOM steam turbine 1x250MW.

Job title : I&C Commissioning & Maintenance Engineer in Siemens Gas Turbine V94.3A
Job Description :

- Working as I&C Engineer during the commissioning and start-up of SIEMENS gas turbine V94.3A with SPPA-T3000 control system.
- Upgrade the control System from Teleperm XP to SPPA T3000 for all Units.
- Installing SPPA-T3000 control system components such as (panels, Automation servers, Application servers, Swap out servers and Thin clients).
- Responsible for programming, implementing, testing and commissioning industrial projects in PCS7.
- Implementation of Interconnection drawings & logics. This involves understanding the documentation and implementing them with standard Siemens DCS Tools like SPPA T3000 for Software and Tec4FDE for hardware engineering.
- Setting up SPPA-T3000 system in line with the Siemens commissioning procedure.
- Commissioning of SPPA-T3000 components like:
 - I&C cabinets, automation processors (S7-400).
 - SPPA-T3000 Bus systems for communication (Profi-Bus) between I&C Components.
 - SPPA-T3000 Application servers, thin clients, WIN-TS, printers.
 - SPPA-T3000 Network configuration, firewall setup, router configuration.
 - SPPA-T3000 OPC Interface, black box interfaces.
 - Malware prevention system.
 - Configuration of SPPA-TT3000 Remote Access.
 - Implementing firmware updates and patches.

- Regular back up of the SPPA-TT3000 system.
- Control Initial Powering up of SPPA-TT3000 LAN cabinets and SPPA-TT3000 cabinets.
- Start-up and initial loading of SPPA-TT3000 automation processors.
- Setting up SPPA-TT3000 Clients, Printers, Swap-Out-Server.
- Performance of redundancy tests of the devices.
- Ensuring Compliance with the environmental, fire protection and occupational health and safety regulations.
- Completion of I&C commissioning documents and preparation of the associated commissioning documentation package, as well as redlining documents which have to reflect AS-BUILT conditions.
- Maintenance Activities in Fuel Gas system, Fuel Oil system, Water Injection system and Fuel Gas Control Valves and CV calculation for valves.
- Check the loop for DCS, cold commissioning and assistance during hot commissioning as owner side.
- Leading the team members working in different function areas of the plant.
- Major and minor inspection for the gas turbine.
- Maintenance and troubleshooting for speed and vibration sensors.
- Analysis hardware and software errors.
- Dealing with the I/O cards, installation, Programming and faults recovery.
- PLC Siemens S7 programming and troubleshooting.
- Maintenance and troubleshooting for gas detection system, fire alarm system and fire fighting system
- Maintenance & calibrate of all types of field instruments such as temperature, pressure, Level, Flow, vibration, Speed, detectors, Transmitters, switches, Gauges and Control Actuators. Hydraulic, Pneumatic Motorized Control valve, ON/OFF Valves, Gas Detectors, Analyzers and loop checking of open and closed Loop Control system.
- Make overhaul maintenance for steam turbine with MITSUBISHI.
- Supervise the installation of STG and auxiliaries (Lube Oil Skid, Gland Steam Condenser, Vacuum Condenser Pumps, and Debris Filter).
- Commissioning, Calibration, Test, Installation, and Maintenance for HRSG different field instrumentation.
- Removing and Re-installing all instrument types in Gas turbines during overall maintenance outages (4 Gas turbines V94.3A).

Dates : From Nov. 2006 till Apr. 2010

Employer : Middle Delta Electricity Production Company (MDEPC)

Project : Nubaria Combined Cycle Power Station (2x750MW)

Job title : I&C Engineer in Mitsubishi Steam Turbine

Job Description :

- Calibration of all types of instruments (pressure transmitters and switches, flow transmitters, level transmitters and switches, all types of thermocouples and RTD...).
- Receiving spare parts from the companies in the project site.
- Maintenance for auxiliary system such as circulating water pump, service water pump, closed cooling water pump and condensate water pump.
- Adjust the turbine supervisory instrument such as (radial vibration, rotor

- position, eccentricity, zero speed and differential expansion) sensors.
- Maintenance of service and instrument air compressors (COMPAIR).
- Make overhaul maintenance for steam turbine with MITSUBISHI.
- Supervise the installation of Temperature transmitters (thermocouple, RTD).
- Supervise the installation of STG and auxiliaries (Lube Oil Skid, Gland Steam Condenser, Vacuum Condenser Pumps, and Debris Filter).
- Dealing with electronic circuits and the related data sheet.

- Field of experience :**
- Start-up and operation steam turbine.
 - Start-up and operation gas turbine.
 - Start-up and operation steam power station and combined cycle power station.
 - Start-up and operation all auxiliary systems (service water, closed cooling water, Circulating water, compressed air...etc.).
 - Check and operation the field equipments (valves, pumps, transmitters...etc.).