

I&C Team Lead Engineer (commissioning & construction)

Holds a B. Sc. in Communications & Electronics Engineering and has over 7 years hands-on experience working in I&C field at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Communications & Electronics Engineering, High Institute of Engineering and Technology at Kafr El-Sheikh, 2013

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2019 till now
Employer : ENERGY CHINA JEPCC1
Project : CAIRO WEST SUPERCRITICAL POWER STATION 1x650MW
Job title : I&C Team Lead Engineer (commissioning & construction)
Job Description :

- Make cold loop check and hot loop check for all I/O list (instruments and adjustments for valve limit switches with DCS).
- Preparing the Daily Work for all team.
- Preparing the report for Daily work activity commissioning and construction.
- Preparing Function Test Procedure for BOP Systems.
- Performing the Function Test procedure for the BOP Systems.
- Supporting operation team for start-up all systems.
- Supervision for calibration lap.
- Supervision for construction activity (installation & QC & technical engineering & material control & hand over for TOP & ...etc.).

Dates : From Apr. 2019 till Dec. 2019
Employer : BP (British Petroleum)

Project : West Nile Delta (WND Oil & Gas Project)
Job title : I&C Commissioning Engineer
Job Description :

- Make cold loop check and hot loop check for all instruments, valves and switch's with Yokogawa ICSS & SIS.
- Preparing the Daily Work for all team.
- Check the function and hot commissioning for filed drives.
- Check the fieldbus system (P&ID, cause and effect, alarm list, ...etc.).

Dates : From May 2018 till Mar. 2019
Employer : Ansaldo Energia
Project : 6th October Combined Cycle Power Plant
Job title : Commissioning & Start-up Team Lead Engineer
Job Description :

- Make cold loop check and hot loop check for all I/O list (instruments and adjustments for valve limit switches with Emerson DCS (Ovation)).
- Preparing the Daily Work for all team.
- Preparing Function Test Procedure for BOP Systems.
- Performing the Function Test procedure for the BOP Systems.
- Start-up for the Systems (BOP, HRSG, ST).

Dates : From May 2017 till May 2018
Employer : GE
Project : Assiut 1500MW Combined Cycle Power Plant
Job title : Commissioning & Start-up Senior Engineer
Job Description :

- Make cold loop check and hot loop check for all I/O list (instruments and adjustments for valve limit switches with GE DCS Mark VIe).
- Preparing the Daily Work for all team.
- Preparing Function Test Procedure for BOP Systems.
- Performing the Function Test procedure for the BOP Systems.
- Start-up for the Systems (BOP, HRSG, ST).

Dates : From Nov. 2015 till May 2017
Employer : HHI (Hyundai Heavy Industries)
Project : Jeddah South Thermal Power Plant (Stage 1)
Job title : I&C Commissioning & Start-up Engineer
Job Description :

- Doing the required hot loop checked for all types of field in instrument with Yokogawa centum VP, Siemens s7-400.
- Testing and troubleshooting Auma actuators and signal testing.
- Check the function and hot commissioning for filed drives.
- Preparing daily activity proposal and next day activity.
- Commissioning for MOVs connected through profi-bus and testing the signals with DCS.
- Tuning and pre-startup for (Ash Handling system; Electrostatic Precipitator system – ESP; Fuel Gas Desulfurization System - FGD) units.

Dates : From Jul. 2015 till Oct. 2015
Employer : Elsewedy for power system projects

- Project** : Mahmoudia Simple Power Plant (165MW x 4 Units)
(Ansaldo Energia gas turbines (V94.2))
- Job title** : I&C Commissioning & Start-up Engineer
- Job Description** :
- Instrument installation.
 - Panels and equipment installation.
 - Raceways installation (Tubing, Duct bank, Trays, Conduits, etc.).
 - Installing and commissioning of all SGT5-2000E I&C related equipment's.
 - Fuel oil / Fuel Gas skids hot commissioning and signals loop check with TCS.
 - Testing and function check for all fail safe and GT hardware trip signals.
 - Signal testing and hot commissioning for all gas turbines GIS signals and back energize testing.
 - Doing all testing and configuration for BOP firefighting system (Lite-Fire Honeywell System).
 - Function check and process testing for Gas turbines Fin-Fan cooler system and connecting all signals interfaces to TCS.
 - Ensure equipment erection & commissioning for safety critical items meets acceptable standards.
 - Siemens GT instrument installation as per approved hook up.
 - Doing the required calibration for all Base module and blow-off instruments.
 - BOP instrument calibration and preparing the required hook-up.
 - Siemens TCS signal hot loop check and testing for all interconnection cables.
 - Doing field and PCC Vibrometer system testing and fixing all GT/Generator vibration sensors (Absolute or Relative).
 - Combustion chamber / Flame signals cable termination and hot loop checked.
 - Installing/Handing over all I&C packages as per Siemens field quality plan.
 - Advise on fabrication, construction, installation and commissioning completion techniques.
 - Update of P&ID's with as builds and submission to engineering department.
- Dates** : From Feb. 2015 till Jul. 2015
- Employer** : Elsewedy for power system projects
- Project** : Attaqa Simple Power Plant (165MW x 4 Units) (Siemens (SGT5-2000E))
- Job title** : I&C Commissioning & Testing Engineer
- Job Description** :
- Instrument installation.
 - Panels and equipment installation.
 - Raceways installation (Tubing, Duct bank, Trays, Conduits, etc.).
 - BOP firefighting system configuration and start-up.
 - Testing and hot commissioning for Fuel oil skid and signal loop checking.
 - Following the submitted pre-commissioning and commissioning activities, pre-commissioning & commissioning plan.
 - Responsible for checking signals between Control System and Gas Turbine field devices.
 - Responsible for testing the functionality and protections, as well as

tuning and optimizing the Gas Turbine Operations.

- Ensure work is carried out in accordance with relevant Codes, Standards and Procedures (Company and Project).
- Advise on fabrication, construction, installation and commissioning completion techniques.
- Serve as technical specialist in all matters relating to commissioning completion and start-up of all instrument systems and equipment.
- Check all signal interfaces between TCS and BOP system.

Dates : From Dec. 2013 till Feb. 2015
Employer : Elsewedy for power system projects
Project : 6th October Power Plant 600MW Simple Cycle phase II (150MW x 4 Units) (Ansaldo Energia gas turbines (V94.2))
Job title : I&C Engineer
Job Description :

- INSTRUMENT & CONTROL ENGINEER responsible for testing, installing, loop checking, commissioning for Instrument Devices and Valves and calibration Devices.
- Preventive Maintenance for Instrument Devices and Stroke for Valves.
- Instrument installation.
- Panels and equipment installation.
- Raceways installation (tubing, Duct bank, Trays, Conduits, etc.).

Field of experience :

- I&C Commissioning / Maintenance Engineer with over 7 years experience in Power Generation Plants.
- Good experience in implementing control solutions in GT & ST systems.
- GT & ST processes checking up / Function testing for I&C related systems.
- Good understanding of KKS identification system related to GT & ST & HRSG systems.
- Professional implementation of the process control philosophy and drives logic.
- Solution provided for power plants and water distillation plants.
- Responsibility of commissioning for DCS systems and performing the required other systems interfaces.
- Main focus on process control designing.
- Analyze maps, reports, tests, drawings, and other data to design and plan the work.
- Technical Skills:
 - DCS control systems and all of its standards.
 - Ability to troubleshoot, repair and maintain instruments and instrumentation systems.
 - Extensive knowledge of Instrumentation Design & Control Design Process.
 - Extensive knowledge of Engineering process control logics and software.
 - Using C++ as computer programming languages.
 - Good knowledge in Foundation Filed Bus.
 - OLE for Process Control (OPC) Experienced engineering.
 - Good knowledge of operating systems operation and design (Linux Ubuntu & Redhat or MS Windows).