

101056-ICX-1CMOS-E-2003
I&C Maintenance & Commissioning Engineer

Holds a B. Sc. in Electronics & Electrical Communication Engineering and has about 19 years' experience working mainly in I&C field at Nubaria Combined Cycle Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/02/1980
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Electronics & Electrical Communication Engineering, Menoufia University, 2003

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Off-shore operation training course (180 hours) at YOKOGAWA for Distributed control system (DCS) CS 3000 which was held in Bahrain.
- : Training on Operation and Maintenance of Debris Filter system (DF) & Condenser On Load Tube Cleaning system (COLTCS).
- : Training on Operation and Maintenance of Condenser Exhauster Vacuum Pump Units & Water box Priming Units.
- : Training on Operation and Maintenance of Protection for Transformer.
- : Training on Operation and Maintenance of DC & UPS System.
- : Training on Operation and Maintenance of Combined Cycle unit (MDEPC).
- : Training on Operation and Maintenance of Gas Turbine (MDEPC).

CHRONOLOGICAL EXPERIENCE RECORD

Employer : Middle Delta Electricity Production Company
Project : Nubaria Combined Cycle Power Station:

Consists of 3 modules x 750MW:

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

Job title : I&C Maintenance & Commissioning Engineer

Job Description :

- I&C Engineer in Siemens Gas Turbine V94.3A (from May 2010 till now) in the following experience fields:
 - Fuel gas commissioning and start-up.
 - Fuel oil commissioning and start-up.
 - Maintenance and fault recovery for Automation control system (TELEPERM XP AS 620B) software and its hardware components such as (power supply cards, CPU, interface modules and input/output cards).
 - Maintenance and fault recovery for Fail safe control system (AG 95F) software and its hardware components such as (power supply cards, CPU, interface modules and input/output cards).
 - Maintenance and fault recovery for GOVERNER system (AS 620T) software and its hardware components such as (power supply cards, CPU, interface modules and input/output cards).
 - Major and minor inspection for the gas turbine.
 - Hot gas path inspection.
 - Gas turbine tuning and optimization.
 - Troubleshooting of the control system problems.
 - Calibration of the field devices transmitters, switches,etc.
 - Calibration of all field instruments and testing, installation of all turbine supervisory instruments (TSI) (Vibration probes and proximity transducers, Speed sensors, ...).
 - Fault analysis using the OM 650 display facilities.
 - Tools for system analysis, administration, event managing of OM 650.
 - Analysis hardware and software errors.
 - Dealing with the input/output cards, installation, Programming and faults recovery.
 - PLC programming and troubleshooting.
 - Temperature sensors RTD and Thermocouple faults recovery.
 - Gas detection system, fire alarm system and fire-fighting system.
- I&C, Commissioning and Start-up Engineer in MITSUBISHI steam turbine (TC2F35.4):
 - Troubleshooting of the control system problems.
 - ATS Control.
 - Turbine Inter lock.
 - Auxiliary Equipment control.
 - Tube cleaning system.
 - Surface condenser.
 - Condenser vacuum pump.
 - Condenser water vacuum pump.
 - Major inspection for the steam turbine.
 - Maintenance and fault recovery for control system software and its hardware components such as (power supply cards, CPU, interface

- modules and input/output cards).
- Calibration of the field devices transmitters, switches, gagesetc.
- Calibration of all field instruments and testing, installation of all turbine supervisory instruments (Vibration probes and proximity transducers, Speed sensors).
- Analysis hardware and software errors.
- PLC programming and troubleshooting.
- Temperature sensors RTD and Thermocouple faults recovery.
- Hydraulic control system adjustments.
- Vibration measurements perty Nevada system hard ware components and software.
- Major valves and hydraulic control (valve, servomotor, EH converter).

Dates : From Sep. 2015 till Mar. 2016

Project : GE Gas Turbine TM2500 Assiut El-Hamra (1 & 2) Site

Job title : Construction & Commissioning Engineer

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.
- Off-Line water wash system.
- Instrumentation auxiliary system.
- Vibration monitoring system.
- Fire protection and gas detection system.
- Low voltage AC & DC system.
- SENS battery charger.
- Communication gate way module.
- Analysis hardware and software errors.
- Maintenance and fault recovery for any system in TM2500.

Further experiences : SPPA T3000 Control system experience:

- Overhaul maintenance of Gas turbine Siemens at Nubaria Power Station and Upgrade the control system of software Teleperm XP T2000 to Turbine control system SPPA T3000.
- Basics of network engineering and specific aspects of network administration.
- System: hardware and software architecture.
- Engineering: function diagram, plant display, archive, integrated engineering, using AF blocks and prototypes creating macros, creating trend displays.
- Basic operation, display navigation, alarm sequence display, trouble shooting, trends, diagnostic view, dynamic function diagram.
- Commissioning: point view, online change of parameters, forcing ports.
- System analysis tools.
- Theory of data archiving and handling of data storage.
- Backup and restore for SPPA T3000 thin clients.