

100707-ICX-1CMOS-E-2003

I&C Maintenance Engineer

Holds a B. Sc. in Electronics & Communication Engineering and Master's Degree in Computer Network Engineering. Has about 14 years hands-on experience working as I&C Maintenance Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/05/1981
Gender : Male
Marital Status : Married
Residence : Currently Dubai (UAE)

EDUCATION

: B. Sc. in Electronics & Communication Engineering, Mansoura University, 2003
: Master's Degree in Computer Network Engineering, Mansoura University, 2006
: Secondary Education: Mansoura Language School, 1998

LANGUAGES

Arabic : Native Language
English : Excellent
French : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Linux (Redhat, Fedora, Suze, Arabia)
: MS FrontPage
: MS Visio
: ORION
: SAP-EAM, SAP-PS
: MAXIMO for plant maintenance

TRAINING COURSES AND CERTIFICATIONS

: SAP EAM Core User Training Course by KPIT, VESTA and SAP in Dubai, UAE.
: Failsafe (S5-95F) SIMATIC S5 & S7 Training Course by SIEMENS.
: WIN-TS Training Course by SIEMENS.

- : I&C Administration Control System on TELEPERM XP by SIEMENS.
- : Advanced training on I&C Fire Fighting System by Kidde.
- : CEMS advanced training by SIEMENS.
- : Solar PV Cells Basic Training by First Solar.
- : Administration course (ControCad P320TGC-S & Historian) in control system of ALSTOM Steam Turbines by ALSTOM.
- : Course on the Vibrocam (Performance computer) by ALSTOM.
- : Steam Turbine Operation Training Course at TalkhaPpower Plant by ALSTOM.
- : Training Course on AMPLISSIMA Software.
- : Distributed Control System in Gas Turbine TELEPERM XP by SIEMENS.
- : Training Course on Control System for Water & Waste Water Treatment by PEP ARAB.
- : DCS (Ovation Control System) Training course by EMERSON.
- : OFF-SHORE Trainings:
 - I&C maintenance course in Heat Recovery Steam Generator (HRSG), CMI Company, Liege – Belgium (Mar. 2007).
 - I&C maintenance course in Heat Recovery Steam Generator & Auxiliaries, Skoda Company, Prague – Czech Republic (Mar./Apr. 2007).
- : Trainings during academic studying years: MDEPC (Middle Delta for Electricity Production Company) (2001 & 2002).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2010 till now
- Employer** : DEWA (Dubai Electricity & Water Authority) in Dubai, UAE
- Projects** :
 - Plant 3 in DEWA consists of: C Station & H station:
 - H Station Phase II:
 - 3 x Gas Turbines simple cycle 3x155MW supplied by Siemens with Control System TELEPERM XP version 94.2 "SPPA-T2000", Gas Station which consists of Pressure Reduction Station, Gas Compressors, Pre filters) Air Compressor Building and BOP's.
 - C Station:
 - 16 Gas Turbines simple cycle from different Brands such as GE MARK II, ACEC Pneumatic Controller, TP&M with SPC Controller, Fiat TG-20 which gives Power varies between 15MW and 20MW.
 - H Station Phase III:
 - 4 x gas Turbines simple cycle 4x250MW, supplied by Siemens with Control system Teleperm XP Version 94.3A and BOP's.
 - Shiekh Mohamed Ben Rashed Solar Park:
 - 13 Inverter Buildings with PV Modules supplied by First solar producing 13MW.
- Job title** : I&C Maintenance Engineer
- Job Description** :
 - Schedule, control and execute the preventive, breakdown & emergency maintenance and overhauls on 3x160MW Siemens Gas Turbine V94.2 units along with associated auxiliaries.
 - Plan, supervise, co-ordinate and carry out the maintenance of all

control and SCADA equipment like Servers, Operator Stations, PLCs and DCS (TELEPERM XP, Simadyn-D Controller, SIAMATIC-S5/S7) beside data communication networks equipment with the principle aim of ensuring reliability and availability, for uninterrupted operation.

- Study, analyze & create RLA, CMF reports on various plant systems, for LTE and RCA for frequent failures on plant systems.
- Carry out the occasional implementation of Software and/or Hardware due to up-gradations or approved modifications.
- Maintain inventory of spares, both long term and short term and initiate procurement.
- Maintain & update records, generate reports related to the maintenance works carried out, upkeep master list of drawings.
- Calibrate and test tools, test-apparatus & relevant plant equipment.
- Maintain, review and carryout Risk Assessments, monitor work practices and methods, conduct tool-box talks, carryout safety and housekeeping inspections in order to ensure 'Safety Centered' maintenance.
- Review, follow up with O&M First Solar the preventive, breakdown & emergency maintenance and outages for the 13MW Sheikh Mohamed Bin Rashed Solar Park.
- SAP Core team member for SAP EAM implementation project.
- SAP Coordinator for all departments related activities.
- Impart training to the staff, conduct orientation program for the newly recruited employees and communicate DEWA's objectives & targets to the subordinates, in line with the Organization's vision of People Oriented Management System.
- Carry out & report regular Cost Reduction Savings for the department.

Dates	:	From Sep. 2003 till Feb. 2010
Project	:	New Talkha Combined Cycle Power Station 750MW: Consists of: <ul style="list-style-type: none">• 2x250MW Siemens Gas Turbine power plant equipment & their auxiliaries (working on the network from Jul. 2006) with control system TELEPERM XP Version 94.3A supplied by SIEMENS.• 2 HRSG (CMI) & their auxiliaries (SKODA) with their control system Ovation supplied by EMERSON.• 1x250MW ALSTOM Steam Turbine & their auxiliaries with control system (P320TGC-S V2).
Job title	:	I&C Maintenance Engineer
Job Description	:	<ul style="list-style-type: none">• Maintenance of 2x250MW Siemens Gas Turbine V94.3A units and related auxiliaries along with Distributed Control System TELEPERM XP.• Maintenance of a single 250MW ALSTOM Steam Turbine and its related auxiliaries along with Distributed Control System ALSPA P320TGC-S V2.• Installation, commissioning, performance test, loop tests, FAT, SAT, reliability run and operation for all above units & systems.• Executed all I&C related work in two Minor and one Major Inspections on Siemens Gas Turbines.• Executed all I&C related work in one Minor inspection for Alstom Steam Turbine.

- Update, maintain records, generate reports related to the maintenance work, maintain master list of drawings, calibrate/test tools and test equipment, in order to enable the management to take the right decisions and there by ensure plant reliability.
- Carrying out the RCA – Root Cause Analysis on plant major systems.