

100685-ICX-CMOS-E-2005
Steam Turbine I&C Maintenance Engineer

Holds a B. Sc. in Electronics & Communication Engineering and has over 12 years hands-on experience, including 9 years working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 28/01/1984
Gender : Male
Marital Status : Married
Residence : Currently Dubai, UAE

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: MS Visio
: Electronic Applications: Electronic Workbench, Electronic Circuits
: ORACLE SAP System with component version: EHP6 for SAP ERP 6.0 for power plants

TRAINING COURSES AND CERTIFICATIONS

: Successfully passed the DUBAI SMART GOVERNMENT TRAINING COURSE in DUBAI, UAE (2015).
: On-site Training Course for 5 days with Allen Bradley PLC ControlLogic System with RS Logix 5000 Software (Dec. 2011).
: On-site Training Course for 5 days with SIEMENS S7 PLC Advanced Course with Simatic Manager Software (Dec. 2011).
: On-site Training Course for 1 week in ALSPA P320 TGC V2+ Control System in El-Kureimat Training Center (Sep. 2010).
: On-site Training Course for one month in Over all Control System (DCS) ALSPA P320 DCS in El-Kureimat Training Center (Aug. 2010).
: Advanced Course for one month in Turbine Generator Control System ALSPA P320 TGC V2+ with ALSTOM Power System GmbH, Mannheim – Germany (Mar. 2010).

- : Advanced Course in Turbine Generator Control System ALSPA P320 TGC V2+ and AVR Control System with ALSTOM Power System Company, Belfort – France (Mar. 2010).
- : ICDL certification.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2014 till now
- Employer** : DUBAI ELECTRICITY ANDWATER AUTHORITY (DEWA)
- Project** : JEBEL ALI COMPLEX POWER STATION (JAPS), PLANT 2, L2 STATION ALSTOM STEAM TURBINE 2x250MW, DUBAI, UAE
- Job title** : Steam Turbine I&C Maintenance Engineer
- Job Description** :
- Review C&I Maintenance Procedures, Schedules, Method Statements and Making Appropriate Recommendations during Plant Normal operation for ALSTOM Steam Turbine and ALSPA P320 TGC V2+ Control System.
 - Identify Unforeseen, Foreseen, Repeated Problems and Common Mode Failure (CMF) Study for the Plant Main and Subsystems Using Troubleshooting Skills and Structured Methodology. Submitting Solution Proposals (Modifications, Equipments Change, etc.), Cost and Plan to the Higher Management Level for Execution Approval.
 - Prepare, Implement & Test the logic modification in ALSPA P320 TGC V2+ System due to any defects/requirements.
 - Manage and prepare the Step by Step Procedure and Working Instruction for C&I Maintenance Team to Replace, Test & Download if required the Equipments for ALSPA P320 TGC V2+ including (8075 CELL Controller, 8035 Controller, CPx928, CPU374, BEM744, BEM341,etc.).
 - Prepare and Manage the Reports Related to Steam Turbine Control and Field Equipments Faults/Defects to Top Managements.
 - Perform Managing and studying the Spare Parts Availability also residual life assessment (RLA) to maintain/ensure the Unit availability for long time.

- Dates** : From Jun. 2011 till Dec. 2013
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat II Combined Cycle Power Station (750MW)
- Job title** : I&C Maintenance Engineer
- Job Description** :
- Troubleshooting, Breakdown, Corrective, Routine and Preventative Maintenance for Combined Cycle Module with the following Systems in Power Plant:
 - Siemens Gas Turbine Control System:
 - Work with TELEPERM XP AS620 Includes the APT SYMADIN-D Turbine Governor Control System and Siemens and APF S5-95F for Fail-Safe System.
 - Working with OM650 Process Control and Information System.
 - Working with ES680 Engineering Systems.
 - HITACHI Steam Turbine Control System:
 - Work with MARK VI Control System.

- Work with Complicity HMI Power Plants Edition.
- Detailed experience:
 - Prepare and execute the Routine/Overhaul Maintenance tasks for Steam & Gas Turbines Control & Instrumentations scope.
 - Prepare the Reports with solutions to Managements to take right Decisions.

Dates : From Feb. 2009 till Jun. 2011

Employer : Upper Egypt Electricity Production Company (UEEPC)

Project : El-Kureimat III Combined Cycle Power Station (750MW)

Job title : I&C Construction & Commissioning Engineer

Job Description :

- Review C&I Project Work, Commissioning Procedures, Schedules, Method Statements, Project Documentation and Making Appropriate Recommendations during Plant Commissioning Phase for ALSTOM Steam Turbine Control System ALSPA P320 TGC V2+ and its Auxiliary systems.
- Construction and Commissioning for ALSTOM 270MW Steam Turbines Control System ALSPA P320 TGC V2+ including Alspa P320 AVR and Steam Turbine's Auxiliaries as following:
 - ALSTOM (ALSPA P320) Turbine Generator Control System (TGC) V2+ System Setup and Configuration, Interfacing between the TGC System and the Over all DCS and Other Control Systems.
 - Hydraulic System for Turbine Control (DEHC). (HP Turbine Combined Main Valves, IP Turbine Combined Valves and LP Stop, Control Valves).
 - Turbine Supervisory Instruments (TSI) Included (Bearing Vibration with Bentley Nevada 3500 Module, Speed Measurements, ABS Expansion, Differential Bentley Nevada Vibration Monitoring System Setup and Commissioning.

Dates : From Jul. 2006 till Feb. 2009

Employer : Upper Egypt Electricity Production Company

Project : Assiut El-Walidya Thermal Power Station 2x312MW

Job title : Steam Turbine Operator

Job Description :

- Troubleshooting Preventative Maintenance with ANSALDO 312MW Steam Turbine and all Auxiliaries Systems in the Power Plant.
- Field Supervision over the Execution and Participate the Preparation of Maintenance Programs.

Awards:

- MEMBER OF TECHNICAL ADVISING TEAM IN UPPER EGYPT ELECTRICITY PRODUCTION COMPANY (UEEPC) (2013): Discussing, Reviewing and Reporting the Technical Documentations for 3x650MW Supper Critical Steam Turbine Contract Tender with Contractors Offers (Bidders Documentations Forms for Steam Turbine).
- Letter of appreciation from Dubai Electricity and Water Authority (DEWA, UAE) (2016): Letter of appreciation for preparation, installation and testing of New Modification related to additional/redundant MCBs in Steam Turbine ALSPA TGC Control System & its Equipments.