

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 8 years hands-on experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/02/1988
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Shorouk Academy, 2009

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Maintenance, programming, Operation, Base and advanced Configuration for DCS system (ABB 800xA), ABB Company, Genova – Italy (Sep./Oct. 2013).
- : Supercritical Boilers Operation and Maintenance relating to I&C works, Korean Power Plant Learning Institute (KPLI) in South Korea (Oct./Nov. 2011).
- : Base & Advanced Training in Supercritical thermal power plant Operation and Maintenance by BECHTEL COMPANY (4 months).
- : Operation and maintenance for Doosan Supercritical Boiler by Doosan Company (1 month).
- : Operation and maintenance for Steam Turbine and Generator by Hitachi Company (1 month).
- : Siemens PLC Programming (Simatic manager) by MAS Trading Company.
- : Rockwell PLC Programming by MAS Trading Company.
- : Yokogawa Centum CS 3000 DCS configuration and Maintenance by Yokogawa India.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2011 till now
- Project** : EL-AIN EL-SOKHNA THERMAL POWER PLANT:
- MED-TCD (2 x 2400 m³/day) desalination plant
 - Electrolizer Hypo Chlorination plant (3 x 4000 m³/day)
 - Waste water plant WTP (3 x 600 m³/day)
 - Sewage treatment plant (85 m³/day)
 - Supercritical steam generator boilers and its turbine generators (2x650MW)
- Job Description** :
- I&C MAINTENANCE ENGINEER (from 2014 till now):
 - Preventive Maintenance (Instrumentation Physical Check - Calibration Check).
 - Investigate and troubleshoot instrumentation maintenance problems.
 - Investigate and troubleshoot Power Plant DCS Problem (ABB 800XA).
 - Investigate and troubleshoot PLC hardware (Siemens PLC-Allen Bradley PLC – GE PLC).
 - Prepare Annual Maintenance Plan and Spare Parts Plan.
 - I&C Commissioning and Start-up Engineer (from 2011 till 2014):
 - Review all boiler and turbine P&ID drawing, cabinet layout, junction box arrangement.
 - Review Logics for whole power plant for different systems which implemented in Power Plant DCS.
 - Find appropriate solutions resulting from Contractor's mistakes during construction.
 - Receiving project materials and compliance with contracts.
 - Start-up and Commissioning:
 - ❖ Loop check for boiler, turbine and auxiliaries different systems.
 - ❖ Calibration of different kind of instruments (Control Valves with Smart Positioner - Transmitters - Dampers with Smart Positioners - conductivity analyzer - PH analyzer - and gas Analyzer - Switches).
 - ❖ Cold function test for dampers, circuit breaker, valves, Fan ...etc.
 - ❖ Hot function test for all equipment till power plant start-up successfully.
 - ❖ Fire alarm and firefighting systems commissioning in different location in power plant.
 - ❖ Review all spare parts data and receiving all spare parts in power plant store, classify them and arrange them for easy search and time saving.
- Dates** : From 2010 till 2011
- Project** : AYOUN MOUSA THERMAL POWER PLANT
- Job title** : I&C Maintenance Engineer