

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 11 years hands-on experience, including 9 years working as CCR Operator / Shift Engineer and 2 years as I&C Engineer at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/09/1987
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

- : ABB training course on 800XA system (Base & Advanced Configuration), in Genova, Italy.
- : ABB training course on 800XA system (Operation & Troubleshooting), in Genova, Italy.
- : ABB training course on 800XA system (Maintenance), in Genova, Italy.
- : Maintenance training for Boiler Management System (BMS) by Korea Power Learning Institute (KPLI) in Korea.
- : Training course of Taeon Simulator Operation by Korea Western Power Corporation (KOWEPO) in Korea.
- : Maintenance training of Steam Turbine Generator and Auxiliaries by Hitachi Co. in JAPAN.
- : Maintenance training of Thermal Power Plant by Electricity Generating Authority of Thailand (EGAT) in Thailand.
- : GE (BN 3500) TSI/VMS and System One Training for vibration system in JAPAN.

- : On-job training for GE (BN 3500) TSI/VMS and System One Operation & Maintenance on site.
- : On-job training for Remote Calibration Monitoring system (RCM) HART Protocol on site.
- : On-shore Training of Boiler Management System (BMS) (system overview, operation, maintenance windows, BMS software detail item operation & maintenance) by YOKOGAWA.
- : Training course for Control Valve by WEIR Co. on site.
- : Supercritical Thermal Power Plant operation & maintenance on site.
- : Auxiliary Boiler operation on site.
- : Steam and Water Analysis System (SWAS) by DOOSAN Co. on site.
- : Training course of safety valves by FUKUI Co.
- : Operation & Maintenance Training of Burners by Hamworthy Combustion Training Institute.
- : Training course for commissioning and performance test by DOOSAN Co. on site.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2020 till now
Project : Assiut Supercritical Thermal Power Plant Unit 1 (1x650MW Gas/Oil Fired Units)
Job title : CCR Shift Engineer
Job Description : Responsible for Boiler Auxiliaries.

Dates : From Feb. 2018 till Oct. 2020
Project : South Helwan Supercritical Thermal Power Plant Units 1, 2 & 3 (3x670MW Gas/Oil Fired Units)
Job title : CCR Shift Engineer
Job Description : Responsible for Boiler Auxiliaries.

Dates : From Feb. 2016 till Jan. 2018
Project : El Ain Sokhna Supercritical Thermal Power Plant Units 1 & 2 (2x650MW Gas/Oil Fired Units)
Job title : CCR Shift Engineer
Job Description : Responsible for Boiler Auxiliaries & Turbine.

Dates : From Feb. 2012 till Feb. 2016
Project : El Ain Sokhna Supercritical Thermal Power Plant Units 1 & 2 (2x650MW Gas/Oil Fired Units)
Job title : CCR Operator Engineer
Job Description :

- Ability for Operating and Carrying out and Continuity for Supercritical Boiler and Supercritical Boiler Auxiliaries.
- First for Boiler:
 - Ability for making Start-up and Shut Down for Supercritical Boiler.
 - Preparing and put in service all Boiler Systems.
 - Air and Flow Gas System: GAH, FD Fans, GR Fans, S.C.A.H (Steam Coil Air Heater), Purge Fans, Scanner Cooling Fans,

- Seal Air Fans, Penthouse Fans.
 - Water system: SUBFP (Start-up Boiler Feed Pump), BRP (Boiler Recirculation pump).
 - Fuel System: Both kind of Fuel Natural Gas and Mazout Oil.
 - Soot Blower System.
- Maintaining process Stability and continuity for Boiler Parameters.
- Managing Boiler Fuel Firing using YOKOGAWA System for BMS (Burner Management System).
- Monitoring for Boiler Process and Parameters.
- Ability for preparing Boiler for Initial Firing Test.
- Ability for preparing Boiler for Steam Blowing Test.
- Making all Tests for boiler:
 - Reliability test.
 - Performance Test.
 - All Run Back Test for FDFan, GAH.
 - Load Rejection Test.
 - House load Test.
- Second for Boiler Auxiliaries:
 - Ability for preparing and put In Service All Pumps: Service Pump, Circulate Pump, Closed Cooling Pump, Condensate Pump, BFPT (Boiler Feed Pump Turbine), SUBFP (Start-up Boiler Feed Pump).
 - Ability for preparing and put in Service Air Compressors.
- Making all Tests for Boiler Auxiliaries:
 - Reliability test.
 - Performance Test.
 - All Run Back Test Condensate Pump, BFPT (Boiler Feed Pump Turbine), Circulate Pump.
 - Load Rejection Test.
 - House load Test.
- For Auxiliary Boiler: Can Start from Cold Warm Hot Start-up Condition and also Shut Down.

Dates : From Aug. 2010 till Feb. 2012

Project : El Ain Sokhna Supercritical Thermal Power Project
 (Two units (2x650MW) using different Control systems, ABB (800XA) for Common "DCS", HITACHI (HISEC 7000) for Turbine Control System "TCS", YOKOGAWA (CENTEM VP) for Boiler Management System "BMS", MITSUBISHI & WOODWARD (MICRONET TMR) for Steam Turbine Driven Boiler feed water pump Train Control System "FWPT" & GE (BN 3500) for vibration system, ROCKWELL Control Logic (RS Logix 5000) & Scada graphic (Factory talk view) for water treatment and desalination)

Job title : I&C Engineer

Job Description : Installation, instrumentation tests, loop tests, function tests, commissioning and start-up the power plant:

- Install and test the vibration system (Bentley Nevada 3500 & system one).
- Install and test speed sensors & electronic over speed (EOS).
- Calibration Tests (Accuracy, Repeatability, Hysteresis, Linearity, Resolution & Response).
- Loop test for I/O signals through Foundation Field Bus, HART Protocol and Communication networks (Mode Bus & OPC).
- Sequence test.

- Loop check on analogue input/output signals by using Remote Calibration Monitoring system (RCM).
- Review Logic Sequence & SAMA Diagrams for project.
- Review the graphics of the DCS, TCS, BMS and FWPT.
- Inspect all Instruments & Control devices before installation (MRR - Material Receiving Report).
- Test the devices (FAT / SAT) Factory / Site Acceptance Test.
- Review Piping & Instrument Drawings (P&ID) before installation.
- Witness the installation of the control cabinets and connect its terminals.
- Test and operate PABX communication system.

Dates : From Feb. 2010 till Aug. 2010

Project : Ayoun Moussa Thermal Power Station (2x320MW)

Job title : I&C Maintenance Engineer

Job Description : Troubleshooting, device check, calibration, loop check and installation of all Industrial Instruments like:

- Pressure, Level, Flow, Temperature (Transmitters, Switches & Indicators).
- Temperature elements RTDs & Thermo Couples.
- Limit Switches.
- Pneumatic, Hydraulic, Motorized, Manual & Electric Actuator Valves.
- Check the cable extension between (Instrument, JB, marshalling cabinet & control room).