

Holds a B. Sc. and a Diploma in Mechanical Power Engineering and has about 12 years hands-on experience, including 10 years working in maintenance, operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/09/1988
Gender : Male
Marital Status : Married
Residence : Currently Kuwait

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2010
: Diploma in Mechanical Power Engineering, Helwan University
: Studying for Master's degree

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: DCS, HMI software and PLC programming software
: AutoCAD 2D
: HAP 4.3
: CorelDraw Graphics Suite X4

TRAINING COURSES AND CERTIFICATIONS

: Operation training for New Talkha 750MW Combined Cycle Power Station.
: Security Awareness, Occupational Safety and Health, Administrative and legal affairs, managerial and leadership Skills and First-aid training.
: Operation and maintenance for New Talkha 750MW Combined Cycle Power Station.
: Electrical transformers Installation and maintenance (MPIS).
: Operation and maintenance for Talkha 2x210MW Steam Power Station.
: Operation and maintenance for New Talkha 300MW Combined Cycle Power Station.

- : Operation and maintenance for Transformer station GIS.
- : Communication and leadership Skills.
- : Ansaldo Gas Turbine AE94.2 (4x150MW) Basics.
- : Operation training for Cairo Electricity Production Company, 6th October Power Plant.
- : Summer trainings at:
 - Research Center (solar energy) (2008).
 - Arab Contractors (2007).
- : Studied Decision making and problem-solving techniques.
- : Pipelines course in 4th year in the Faculty.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2018 till now
- Employer** : Kuwait Ministry Electricity and Water (MEW)
- Project** : Doha West GT and Steam Power Station
 The project consists of (5x43MW) GE gas turbine (LM6000 PC with sprint system) Dual Fuel, DCS control, Micro Net (Wood Ward) Fuel Controller, AC800M control for BOP (Balance of Plant), Demineralization Water Treatment Plant, 2 Gas Compressors (GE_GEMINI) 1150KW, 11KV and chiller cooling water system (Duplex Unit components) Model number (CDHUP) and cooling capacity (2546.2 Tons). (8x300MW) MHI Steam Turbine, Generator (Melco Japan), Diesel Engine/Boiler (Deutsch Babcock).
- Job title** : Senior Mechanical Engineer
- Job Description** :
- Client Co-ordination with the contractor. Conduct weekly project review meeting with the contractor (KHARAFI NATIONAL - TNB REMACO JV) pertaining all Maintenance Activities.
 - Conduct daily meetings regarding the status of Gas turbines, site related issues and observe the maintenance job progress, to ensure the reliability of overall plant.
 - Implement proper preventive and corrective maintenance procedures, troubleshooting actual and potential problems and implementing viable solutions.
 - Planning the routine Maintenance schedules comprises shift allotment and daily routine maintenance plan and Annual major shutdown plans.
 - Review all kinds of reports required by MEW and site like Performance reports, Daily log reports, Monthly reports, Incident reports, etc.
 - Inter discipline co-ordination with all concerned departments to improve the efficiency of the Plant.
 - Conduct Training for Ministry Visitors as well as site personnel if required.
 - Attendance of Low-Pressure Turbine installation of Gas turbine by GE (GENERAL ELECTRIC).
 - Attendance of Gas turbine annual Borescope inspection by GE.
 - Attendance overhauling of Gas Compressors (GE_GEMINI) by Hoerbiger.
 - Attendance (Engine & Generator) alignment of gas turbines by GE.
 - Attendance rotor balancing of Gas turbines by GE.
 - Attendance overhauling of chiller cooling water system (Duplex Unit components) by the manufacturer (TRANE).

- Attendance overhauling of (Main valves, control valves, Turbine Bearings) of Steam turbines by MHPs (MITSUBISHI).
- Implement preventive and corrective maintenance for Steam turbine auxiliaries (Condensate pumps, Ball cleaning systems, Lp by pass valves, Vacuum pumps and Lp heaters).

Dates : From Aug. 2014 till Jul. 2018

Employer : Cairo Electricity Production Co.

Project : 6th October GT Power Plant 1200MW

Job Description :

- Shift Engineer, operating plant equipment including start-up, shutdown, control, monitoring and defects reporting.
- The project consists of (8x150MW) gas turbine ANSALDO model AE94.2.
- Attendance of erection and commissioning of (4x150MW) gas turbine model AE94.2 and their auxiliaries:
 - Instrument and Service air Compressors and Air Dryer.
 - Closed Cooling Cycle Water System using Finfan Cooler.
 - Mechanical and Electrical equipment Isolation, Earthing, Lock out, Rack out.
 - Lube Oil System Flushing and Start up.
 - Hydraulic oil System Flushing and Start-up, Natural Gas System Lines Hydro Test.
 - Flushing & startup, Hydro Test & Flushing for Firefighting Water System and CO2 System.
 - Fire Fighting Water System Jockey Pump.
 - 6KV Electrical Pump and Diesel Pump and Deluge Valves.
 - Fire Fighting CO2 System.
 - Air Intake System.
 - Lifting Pump & Turning Gear.
 - First Firing with Natural Gas, Water Wash of G.T. Compressor Cleaning System.
 - Operate the System of Plant from DCS using ABB Symphony S+ Operations V1.0.
 - High voltage 220KV GIS system & Medium Voltage Switchgear 6.3KV & Low Voltage, 400V Switching, Isolation, Earthing, Lock out, Rack out.
- ON JOB TRAINING from ANSALDO Operators and Commissioning Engineers.
- Lead person for operation with ANSALDO Energia Company for two months during commissioning.

Dates : From Aug. 2012 till Aug. 2014

Employer : Middle Delta Electricity Production Co.

Project : New Talkha 750MW Combined Cycle Power Station

The project consists of (2x250MW) gas turbine SIEMENS model V94.3A (SGT5-4000F) & 2 HRSG CMI-SKODA and Alstom steam turbine (250MW).

Job Description : Shift Engineer, operating plant equipment including start-up, shutdown, control, monitoring and defects reporting.

Dates : From Jan. 2011 till Aug. 2012
Employer : Cairotan Factory, 6 October - Egypt
Job title : Operation & Maintenance Engineer
Job Description :

- Operation and maintenance of hydraulic machines and compressors.
- Designer for shoe pattern by CorelDRAW.