

Holds a B. Sc. in Mechanical Power Engineering and has about 18 years hands-on experience working in construction, maintenance, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/05/1972
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2000

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Two months training in "WEPCO" Petroleum Company.
- : Off-shore training in Japan for construction and maintenance of Gas Turbine and Auxiliaries by MHI (Mitsubishi Heavy Industries Ltd.).
- : Off-shore training in Japan for construction and maintenance of Generator and Auxiliaries by MELCO (Mitsubishi Electric Corporation).
- : On-shore training in Sidi Krir Power Station for construction and maintenance of Gas Turbine and Auxiliaries by MHI (Mitsubishi Heavy Industries Ltd.) and construction and maintenance of Generator and Auxiliaries by MELCO (Mitsubishi Electric Corporation).
- : On-shore training in Sidi Krir Power Station for construction and maintenance of Air compressors, Horizontal and Vertical pumps, Crans, Fire protection system, Heating Ventilations and Air condition system (HVAC system) by TOSHIBA Plant System & Service Corporation).
- : 30-hours occupational safety and health training course in OSHA #500 construction industry safety & health (29 CFR 1926).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2018 till now
Employer : GE
Project : Marafiq #1 Rehabilitation Project (8 GTG frame 7 & Aux. for it) Power Station (Yanbu)
Job title : Lead Mechanical Engineer

Dates : From Oct. 2016 till Feb. 2018
Employer : Kharafi National Egypt
Job Description :

- Deputy Site Manager in El-Kureimat Power Station with GE for HGP and (DLN, Upgrade 2.6 for 2 GT frame 9FA).
- Deputy Site Manager in Cairo North Power Station with GE for HGP and (DLN, Upgrade 2.6 for GT frame 9FA).
- Deputy Site Manager in Sharm El-Sheikh Power Station for construction Fin Fan Coolers, change CW To Air cooling system, preparing 4 Gas compressors, Maintenance of desalination water plant, Erection Gas pipe line from gas station to GTs and preparing the system for it.
- Deputy Site Manager in Hurghada & Port Said Power Stations for Maintenance of desalination water plant and installation 4 Fuel oil centrifugal.
- Deputy Site Manager in West Damietta Power Station for modification of LP Rotor for Steam Turbine with GE and installation of cladding for 4 bypass stack.

Dates : From May 2013 till Sep. 2016
Employer : KHARAFI NATIONAL for MINISTRY OF ELECTRICITY & WATER in Kuwait
Project : Sabiya Power Station in Kuwait
Job title : Lead Mechanical Construction Engineer
Job Description : Following and supervising for Construction for 20 CGT x 250MW (SIEMENS Manufactory frame 4000F (94.3A)) and all Auxiliaries Equipments for the 2 units with ALGHANIM INTERNATIONAL & SIEMENS.

Dates : From May 2011 till May 2013
Employer : KHARAFI NATIONAL for MINISTRY OF ELECTRICITY & WATER in Kuwait
Project : Sabiya Power Station in Kuwait
Job title : Lead Mechanical Construction Engineer
Job Description : Following and supervising for Construction of 3 blocks Combined Cycle Project (750MW x 3) (6 GT x 250MW) type GE frame (9FA⁺⁺), 3 Steam Turbines (3x250MW) STG type GE frame (D11) and all Auxiliaries Equipments.

Dates : From 2008 till 2011
Employer : West Delta Electricity Production Company
Project : Sidi Krir Power Station
Job title : Lead Mechanical Construction Engineer
Job Description :

- Reading and reviewing the tender document and joining of the evaluation for the tenders.

- Following and supervising the lifting of the heavy equipments (2 Gas Turbines, 2 Generators, 2 Starting units).
- Following and supervising the installation of the base plates for the Gas Turbines and Generators.
- Following and supervising the installation activities of the heavy equipments (adjusting for the centering and leveling the heavy equipments).
- Following and supervising alignments between the Turbine and Generator, Generator and Starting Unit and the equipment related to the starting Unit (Turning gear, torque converter and Auxiliary gear).
- Following and supervising alignments for the horizontal centrifugal pumps, piston pumps, screw pumps, vertical pumps & centrifugal fuel gas compressors.
- Following and supervising the installation activities of the intake air filter, inlet air duct, exhaust duct, diverter damper & by pass stack.
- Following installation of the condenser and Steam Turbine.
- Following installation of the Auxiliaries for 2 Gas turbines (fuel gas Compressors "Centrifugal type", purge air compressors "reciprocating type", Pulse air compressors "screw type", water pumps, fuel oil pumps, lube oil pumps, starting motor, control oil skid, seal oil skid and fuel gas treatment sys.).
- Following and supervising the installation activities of all equipments for the mechanical contract (pumps, air compressors, heat exchangers, EDG, piping and valves).
- Reviewing and Receiving of Special Tools and Spare Parts for CTGs.

Dates : From 2004 till 2008

Employer : West Delta Electricity Production Company

Project : Sidi Krir Power Station

Job Description :

- Work as Lead Mechanical Maintenance Engineer for:
 - Preparation the spare parts and special tools for the combustor baskets Inspection (CI) (8000hrs) and Turbine Inspection (TI) (16000hrs) for Gas Turbines.
 - Following and supervising the Inspection and maintenance for the 4 GAS TURBINES x 250MW (Combustor Baskets & Hot Gas Pass).
 - Following and supervising the maintenance for all Auxiliaries Equipments for GTs and STs.
- Work as Mechanical Maintenance Engineer for:
 - Steam Turbines (320MW x 2) (SIEMENS Manufactory), Centrifugal Pumps, Piston Pumps, Feed Boiler Pumps, Diaphragm Pumps, Axial Pumps, Centrifugal air Blowers and Screw Air Blowers.
 - Centrifugal & screw air compressors and reciprocating air compressors.
 - Hydraulic valves, Pneumatic valves, Electrical valves and Manual valves.

Dates : From 2002 till 2004

Employer : Ports & Light Houses Administration

Job title : Mechanical Engineer

Dates : From 2000 till 2002
Employer : Continental Trading & Shipping Co.
Job title : Mechanical Engineer
Job Description : Worked in Cooling Towers Construction Projects, Life Stream Plants Projects on Barge 11, 12, 17 for PMS Co., Fire Fighting System with CO₂ on Barge 11, 12, 17 for PMS Co., Pipe Lines and pumps construction.

Further experiences :

- Tests:
 - Following the NDT & DPT test of welding, pressure test by water and Nitrogen, leak test and check of the piping for all systems.
 - Reinstatements and checking of the piping and equipments for all systems.
 - Alignment for all rotary equipments (Turbines, pumps, compressors).
 - Following the RTR and PERFORMANCE TEST for the CTGs & STs units.
- Commissioning & Start-up:
 - Following the heat run for electric motor with no load and with load coupled with its equipment.
 - Following the flushing for all systems by oil, air, N₂ & demin water.
 - Following and supervising the Performance test for CTGs and STGs.
 - Following the operation of all mechanical equipments during Reliability Run test for CTGs.
 - Following the operation of all mechanical equipments during Reliability Run test for STGs.