

Holds a B. Sc. in Mechanical Power Engineering and has over 6 years hands-on experience in maintenance and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 09/10/1983
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

: Off-shore training (Maintenance and Erection for HRSG) NEM Co.
(Netherland - Henglo), Netherland and Germany, Mar./Apr. 2009.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2012 till now
Project : Sidi Krir Power Station (Combined Cycle 750MW)
Job title : Senior Maintenance Engineer
Job Description :

- Scope of work: HRSGs, Gas turbines and steam turbines units.
- Organize and involving all types of (preventive, periodic, routine) maintenance.
- Maintenance of pumps:
 - Maintenance of compressors (Centrifugal types).
 - Maintenance of pre-filter second filter.
 - Maintenance of combustion chamber and its accessories.
 - Maintenance of Rotodynamic pumps (Centrifugal pumps, propeller pumps).

- Maintenance of + VE displacement pumps (Screw pumps single and multiple – rotor types).
- Diaphragm pumps (dosing pumps).
- Maintenance of valves (Butterfly, Globe, Gate, Relief, Check, Ball, Diaphragm, Plug, Pneumatics valves).
- Alignment of equipment (Dial indicator method, filler method).

Dates : From Jan. 2011 till Jan. 2012
Employer : El Majel Consultant Office (KSA)
Projects :

- Desalination units – 2 x 4000 m3/day (Wetico)
- Touraif City's Sewage Treatment Plant (TR system), Eastern Co.
- Touraif City's Sewage Grid and Lift Station (Mofdy Marzouk Co.)
- Touraif City's extension for water supply system (Motlek El Ghwairy)
- Touraif City's strategy water storage tanks (Bin Sammar)

Job title : Senior Mechanical Commissioning & Maintenance Engineer

Dates : From Dec. 2009 till Dec. 2010
Employer : NEM
Project : Sidi Krir Power Station Extension (Combined Cycle 750MW)
Job title : Senior Mechanical Commissioning & Maintenance Engineer
Job Description :

- Maintenance of 2 Heat Recovery Steam Generators in Sidi Krir Generation Extension Power Plant (750MW), Combined Cycle 2 Phases each one is 2x250MW MHI Gas Turbine + 250MW Steam Turbine Ansaldo & HRSG supplied and constructed by NEM.
- Supervise all maintenance activities during guarantee period.
- Tightness tests conduct all operational tightness testing and repair any leaks resulting there from.
- Lubricants initial charge (delivery by the principal).
- Maintain lubrication after initial charge.
- Operate equipment for test.
- Make vibration checks (uncoupled and coupled), trip checks.
- Rotation check.
- Perform hot alignment and any doweling required.
- Make adjustments and replacements to mechanical seals, packing and accessories.
- Flushing, blowing and chemical of piping and systems, include furnace piping, auxiliary piping of rotating equipment (in so far as not executed prior to mechanical completion).
- Water flush, air blow and chemically clean piping.
- Management and surveying Mechanical Contracts.
- Reviewing the supporting documents for MRR and RFI.
- Control the spare parts planning and purchasing.
- Fabricate, install and maintain the different plants:
 - Factory inspections.
 - Adjusting of pipes level (Hi-lo) and its connection (Flanges, etc.).
 - Piping Coat tests (Rapping, Painting and galvanization).
 - Piping tests (Leak test, Hydro test, Holiday test, Adhesive test and DFT).
 - Welding: reviewing WPS & PQR and applying (VT, PT).

- Pressure Vessels (Pressure test).
- Pressure Vessels Coating internal and external tests (DFT, WFT, Shore test).
- Check pumps' alignment and its strain (Dial indicator method, Filler method).

- Dates** : From Dec. 2005 till Dec. 2009
- Project** : Sidi Krir Steam Power Stations (4x320MW)
- Job title** : Utilities Engineer (Boiler and Water Desalinations Units)
- Job Description** : Boiler:
- Specification: 166 bar, 544 c°, water tubes, single drum, hinged type, natural gas and mazout fired system.
 - Responsibilities:
 - Organize and involving all types of (preventive, periodic, routine) maintenance.
 - Maintenance of pumps.
 - Alignment of equipment (Dial indicator method, filler method).
 - Heat exchanger maintenance.
 - Boiler maintenance (Air heater, Mazout burners, Natural gas burner, Pneumatic dampers Pneumatics actuators and Soot blowers).
 - Maintenance of Rotodynamic pumps.
 - Centrifugal pumps, propeller pumps.
 - Maintenance of + VE displacement pumps.
 - Screw pumps single and multiple – rotor types.
 - Diaphragm pumps (dosing pumps).
 - Pistons pumps.
 - Maintenance of fans (Seal air fans, Forced draft fans, Flame scanner fans, Gas recirculation fans).
 - Maintenance of valves (Butterfly, Globe, Gate, Relief, Check, Ball, Diaphragm, Plug, Pneumatics valves).
- Desalination:
- Specification: Multi stage flash unit (MSF 5000 ton/ day, 20 rooms).
 - Responsibilities:
 - Organize and involving all types of (preventive, periodic, routine) maintenance.
 - Maintenance of pumps (Condensate, Distillate, BRP, BBDP, sea water pumps).
 - Maintenance of (Brine heater, Desalination plant valves).
 - Inspection on the tubes of the rooms (evaporators), demisters and use acid cleaning if needed.