

100304-MEC-1CKMSY-E-2004
Head Section Maintenance Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 13 years hands-on experience. He can analyze and carry out installation, commissioning, put into operation, and also doing maintenance service for mechanical equipment's (pumps, pipe lines, compressors, valves, etc.) and has excellent background to deal with turbines, boilers and all power station mechanical systems.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/12/1976
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Off-shore training: HRSG operation & maintenance, conducted by NEM for industrial & utility boiler, Hengelo – NETHERLAND (Mar./Apr. 2009).
: Steam turbine and generator O&M, Sidi Krir Site (21 days).
: Professional training by ANSALDO ENERGIA for steam turbine maintenance.
: Technical and vocational training corporation certification letter for Collage of tourism & hotel management, El-Taef project.
: Technical and vocational training corporation certification letter for Muhail Asir project.
: Training certificate from Toshiba for fire protection systems installation and maintenance.
: Training certificate from Toshiba for horizontal & vertical pumps installation and maintenance.

- : Training certificate from Toshiba for HVAC systems installation and maintenance.
- : Training certificate from Toshiba for cathodic protection system.
- : Training certificate from Toshiba for compressed air system.
- : Training certificate from Toshiba for control valves.
- : Auxiliaries maintenance program with TOSHIBA Plant Systems & Services Corporation.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2014 till now
Employer : West Delta Electricity Production Co.
Project : Sidi Krir Power Station
Job title : Section Head Maintenance Engineer
Job Description :

- Preventive maintenance, repair, and trouble shooting activities of mechanics, pumps, valves.
- Maintenance and trouble shooting for steam turbine, turbine systems and its auxiliaries.
- I have been worked in 2 Combustor Inspections for Gas turbine (MHI – Model M701F).

Dates : From Feb. 2015 till Apr. 2015
Employer : GE
Project : Hurghada Power Station
Job title : Lead Construction Engineer
Job Description :

- Installation of 6x50MW GE gas turbine model LM 6000.
- Installation for Turbine skid, generator skid, roof skid, auxiliary and lube oil skid, piping connections.
- Pre- and final Alignment for all units.

Dates : From May 2014 till Sep. 2014
Employer : Dossan for UTILITY BOILERS
Project : AIN SOKHNA POWER STATION
Job title : Mechanical Construction Engineer
Job Description : Responsible of piping steam blowing and chemical cleaning for the 2x650MW supercritical and dual fuel boilers.

Dates : From Jul. 2013 till May 2014
Project : Sidi Krir Power Station
Job title : Mechanical Site Engineer
Job Description : Responsible of the gas turbine (250MW), 2 Combustion chambers Inspections with MITSUBISHI HEAVY INDUSTRIAL COMPANY (MHI).

Dates : From Jun. 2011 till Jul. 2013
Employer : Ibrahim Zamandar Engineering Consulting (KSA)
Project : GAZAN Power Station, KSA

- Job title** : Mechanical Consultant Manager
- Job Description** :
 - Responsible to inspect and handling over of steam turbine (250MW) and its auxiliaries.
 - Responsible to inspect and handling over of condenser and its auxiliaries.
- Dates** : From Jun. 2010 till Jun. 2011
- Employer** : Ansaldo Energia S.P.A.
- Project** : Sidi Krir Combined Cycle Project 750MW:
Consist of 2 MHI gas turbines, 1 Ansaldo steam turbine and 2 NEM Heat Recovery Steam Generators (HRSGs).
- Job title** : Mechanical Construction Engineer
- Job Description** : Responsible for the construction of steam turbine (250MW) such as:
 - Installation of the steam turbine, condenser and its auxiliaries.
 - Measures of the steam turbine and bearings clearance and alignment.
 - Pipe lines installation and tests.
 - Installation of the different types of pumps and its alignment.
 - Installation of the different types of valves.
- Dates** : From Jan. 2009 till Jun. 2010
- Employer** : Elkrom Middle East S.A.E. (ANSALDO sub-contractor)
- Project** : Sidi Krir Combined Cycle Project 750MW
- Job title** : Mechanical Construction Engineer
- Dates** : From Jan. 2007 till Jan. 2009
- Employer** : West Delta Electricity Production Co. (WDEPCo)
- Project** : Sidi Krir Combined Cycle Project 750MW
- Job title** : Mechanical Maintenance Engineer
- Dates** : From Jan. 2006 till Jan. 2007
- Employer** : Watanya for contracting and fire fighting systems
- Job title** : Mechanical Construction Engineer
- Dates** : From Jun. 2004 till Dec. 2005
- Employer** : El-Bostan for contracting and trading
- Job title** : Sales Engineer
- Job Description** : Prepare all the technical data in the technical offer for sales department to present it to client.
- Further experiences** :
 - Jun./Jul. 2016: Technical Member in Central Procurement Committee.
 - Teaching:
 - Subject: Steam Turbine and its Auxiliaries.
 - Trainees: Damanhour Power Station Turbine Maintenance Engineer.
 - Customer: Middle Delta Electricity Production Co.
 - Period and location: one month / Damanhour Power Station Training Center.

- Field of experience** :
- Hydro test packs (P&IDs, isometric drawing, line list, valve list, supports list).
 - Punch items closing.
 - Revision drawing & PIDs for mechanical equipment's.
 - Preparation base plate for equipment's & Supervision of shipping and baker plate erection.
 - Grouting procedure and specification.
 - Installation rotor & static mechanical equipment's arrangement leveling and centering.
 - Piping works.
 - Alignment for the rotor mechanical equipment's.
 - Solving erection problems and preparation of site modification reports.
 - Follow up Specification of local purchased materials.
 - Follow up & update schedule, purchase order, and material delivery to site.
 - Supervise for the steam turbine erection sequence including 3 pressure level Turbines (HP turbine, IP turbine, LP turbine), generator, steam surface condenser, piping works, pumps, hydro and pneumatic tests.
 - Supervise for the pre- and final alignment for the steam turbine between HP, IP rotors & IP, LP rotors & LP, generator rotors and miscellaneous pumps and motors.
 - Supervise for the mechanical equipment's erection for the steam turbine auxiliaries like (seal oil skid, lube and control oil skid, vacuum pumps skid).
 - Supervise for the (steam seal, air extraction, HP & IP by-pass) systems erection.
 - Follow up of HRSGs erection sequence including steel structure, stack, casing, harps, insulation (internal & external).
 - Cladding, piping works, hydro test & chemical cleaning.
 - Follow up all documents revision for the project (from revision 0 to as built).
 - Reviewing all the isometric drawing and take all information like (No. of field welds, die inches, spool No., material classification) to follow up the work at site according to hydro test priority.
 - Review all the materials delivered to the site and check it with the drawings.
 - Handling over the works to the consultant.
 - Maintenance and Servicing:
 - Pumps (Horizontal - Vertical).
 - Shafts Alignments.
 - Heat exchangers.
 - Valves.
 - Filters.
 - Traveling water screen.
 - Overhead cranes / hoist.
 - Pneumatic / hydraulics.
 - Permit work.
 - Construction Site Work:
 - Gas and steam turbines.
 - Mechanical equipment.
 - Over head cranes.
 - Piping (under ground and above ground).

- Follow up contractors activity.
- Attend hydrostatic and pneumatic tests.
- Safety precautions.