

104953-MEC-15CMOSq-E-2004

Senior Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Power Engineering and a Diploma. Has about 17 years hands-on experience working in construction, maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1983
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2004
: Diploma in Power Plants, Suez Canal University, 2016

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: Autodesk AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Precision shaft alignment, Integrated Engineering Services Co.
: Basic Machinery Vibration (BMV) CAT III, Integrated Engineering Services Co.
: Basic Machinery Vibration (BMV) CAT II, Integrated Engineering Services Co.
: Basics of rolling element bearings, Integrated Engineering Services Co.
: RCM (reliability centered maintenance), Engineers Syndicate.
: PMP Preparation Exam, Engineers Syndicate.
: Air compressors operation & maintenance, Ingersoll-Rand Co.
: Air fans operation & maintenance, Ansaldo Co.
: Introduction advanced and job training to steam plant operation in Attaka Power Plant Training Center.
: Water treatment for power plant in Attaka Power Plant Training Center.
: English course level 2 in EDEPC Training Center (Fayed).

- : Welding inspection in EDEPC Training Center (Fayed).
- : Cathodic Protection in Engineers Syndicate in Suez (1 week).
- : Material classification and selection in Engineers Syndicate in Suez (1 week).
- : Explosion the boiler tubes problems in EDEPC Training Center (Fayed).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2017 till now
- Employer** : EAST DELTA ELECTRICITY PRODUCTION COMPANY
- Project** : Suez Thermal Power Plant (1x650MW)
- Job title** : Senior Mechanical Maintenance Engineer
- Job Description** :
- Supervise, Manage, provide direction and engineering expertise to lead a team of engineers and technicians for carrying out the maintenance activities for the steam turbines, steam turbines auxiliaries, hypochlorite generation units, hydrogen generation units, condensate water polisher units and desalination units.
 - Participating in the minor and major inspection and overhauls for the steam turbines, multistage feed water pumps (turbines drive and motor drive), 6KV water pumps (vertical & horizontal), centrifugal compressors.
 - Reduced Backlog and Maintenance Deferrals by Planning Maintenance Activities with required resources (e.g. labors, materials, tools, vendor...etc.) for safe and efficient execution.
 - Improving maintenance effectiveness by reviewing current preventive maintenance programs and develop specific equipment reliability plan.
 - Refinement of conditional Based maintenance activities by auditing reports including vibrations analysis, oil sampling results, equipment performances and identify required improvements.
 - Reducing risks related to maintenance activities by ensuring that maintenance operations are prepared in strict accordance with company current safety regulations and standard operating procedures.
- Dates** : From Sep. 2014 till Dec. 2016
- Employer** : EAST DELTA ELECTRICITY PRODUCTION COMPANY
- Project** : Suez Thermal Power Plant (1x650MW)
- Job title** : Steam Turbine Construction Engineer
- Job Description** :
- Supervising for GE steam turbine installation, commissioning and maintenance practices.
 - Performed all tests, measurements, and inspections for installation the steam turbine.
 - Supervising erections, hydrostatic tests, flushing and commissioning for the lube oil, hydraulic oil and seal oil circuits for the steam turbine.
 - Follow up hydrostatic test for main condenser, critical piping and non-critical piping.
 - Supervised Steam blow for all the HP/LP lines.
 - Follow up auxiliary mechanical equipment erections pumps, heat Exchangers, compressors, main condenser.
 - Supervised the procedure and application of Maintenance Planning.
 - Ensure all in-field activities carried out safely complying with company

environmental health & Safety (EHS) guidelines and procedures.

Dates : From Mar. 2010 till Aug. 2014
Employer : EAST DELTA ELECTRICITY PRODUCTION COMPANY
Project : Attaka Power Station (2x300MW and 2x150MW)
Job title : Mechanical Maintenance Engineer
Job Description :

- Worked as Mechanical Technical Supports Maintenance Engineer for (Siemens) steam turbine and power block equipment's.
- Participating in the Overhaul maintenance of the Steam turbines manufactured by Siemens. Major Low-Pressure steam turbine Overhaul (300MW) and Major Low pressure steam turbine Overhaul (150MW).
- Preparing all special tools and equipment for steam turbines major overhaul.
- Preparing and inspect spare parts required for steam turbines major overhaul.
- Maintain for different type and size of pumps, compressors, valves and auxiliaries' systems of plants.
- Maintain lubrication and hydraulic power systems in the plant.

Dates : From Mar. 2008 till Feb. 2010
Employer : EAST DELTA ELECTRICITY PRODUCTION COMPANY
Project : Attaka Power Station (2x300MW and 2x150MW)
Job Description :

- Worked as Control Room Operator Engineer on (2x150MW).
- Monitoring and operating the plant equipment's (Boilers, Turbines, and Generators) from the central control room by DCS.
- Maintain detailed operation logs for all operation activities.
- Check and review the operating conditions and records to investigate weaknesses and troubles and issue work requests in response.
- Supervising and controlling the power plant operation (start-up, Normal operation and Shut down).

Dates : From Nov. 2007 till Feb. 2008
Employer : MISR NATIONAL COMPANY FOR STEEL
Project : Production building steel
Job title : Mechanical Maintenance Engineer
Job Description : My responsibility was maintenance for hydraulics systems, gear boxes and all types of bearing.

Dates : From May 2005 till Oct. 2007
Employer : EGYPTIAN ARMY FORCE
Job title : Military Officer Maintenance Engineer