

Holds a B. Sc. and a Diploma in Mechanical Engineering and has about 17 years hands-on experience in thermal power station operation and maintenance of boilers and boilers auxiliaries (Heavy oil pump, forced draft fans, air pre-heater, burners, safety valves.....).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/12/1975
Gender : Male
Marital Status : Married
Residence : 15 May City, Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Assiut University, 2000
: Diploma of Mechanical Engineering (Power Station), Assiut University, 2010

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: MS Project 2007

TRAINING COURSES AND CERTIFICATIONS

: English certificated from ACCE in Assiut.
: Economical operation of steam power plants, from Cairo Training Stations Institute.
: Raising awareness of preventive role in the area of occupational safety and health.
: Pressure vessels design, from Society of Mechanical Engineers in Cairo.
: Hydraulic control system, from Cairo Training Stations Institute.
: Power transformer maintenance and testing, from Training Centre Networks.
: Training course on non-distractive testing methods: Visual test, Dye penetrates test, magnetic particle test, ultrasonic test and radio graphic test (organized by CMRDI (Central Metallurgical Research and Development Institute)).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2014 till now
Employer : Upper Egypt Electricity Production Company
Project : El-Kureimat Power Plant
Job title : Boiler Maintenance Engineer in Steam Power Plant (2x627MW units)
(Babcock & Wilcox)

Dates : From 2004 till 2013
Employer : Upper Egypt Electricity Production Company
Project : Assiut Power Plant
Job title : Boiler Maintenance Engineer in Steam Power Plant (2x312MW units)
(MHI and ANSALDO units)

Dates : From 2002 till 2004
Project : Steam Power Plant
Job title : Shift Charge Operation Engineer

Dates : From 2001 till 2002
Project : Water Treatment Station
Job title : Operation & Maintenance Engineer

Responsibilities:

- In water treatment station:
 - Responsibility for normal operation of the station equipment and maintenance for the all auxiliary equipment like pumps, compressors, filtration system....etc.
- In steam power plant:
 - Operation of the boiler, steam turbines generator, transformers and its auxiliaries to achieve the optimum and economical operation.
 - Keeping the equipment in safe condition in case of an emergency shutdown.
 - To out troubleshooting with electrical maintenance and mechanical maintenance departments and the proper isolation for equipments.
- As Boiler Maintenance Engineer:
 - Responsibility for day to day running of the units, supervision of technicians and involved in organization of the schedule maintenance.
 - Making planned shut down for regular maintenance.
 - Participated twice in major maintenance program in Mar. 2006 and Apr. 2007 that replacement of all coil in the final super heater of the first and third steam generation unit in Assiut Steam Power Plant (B.B.C. units).
 - Participated in major maintenance program in May 2008 that replacement coils of the secondary super heater of the Ansaldo unit in Assiut Steam Power Plant.
 - Participated in major maintenance program in Jan. 2010 that replacement flue gas duct, intermediate and cold end baskets of the Ijungstrom air pre-heater (Mitsubishi unit).

- Participated in major maintenance in Nov. 2010 that replacement gas recirculation fan after its damaging (Ansaldo unit).
- Good knowledge in maintenance of:
 - Heavy oil pump (gear pump, malt stage centrifugal pump, etc.).
 - Inspect visually integrity of packing, mechanical seal and bearing.
 - Check vibration.
 - Alignment check.
 - Burner:
 - Check on damage and deformation in all parts and repair it like nozzle, blades, diffuser and valves.
 - Air heaters:
 - Inspect for any indication of damage crack, abrasion on seal plate, bearing, rotor, etc.
 - Measure clearance on seal plates.
 - Inspect any indication of abnormality on gear box and air motor.
 - Inspect any indication of gas leak.
 - Replacement cold end basket and sector plate.
 - Forced draft fan, gas recirculation fan:
 - Inspect bearing for any indication of damage.
 - Alignment check.
 - Inspect on casing and impeller for any indication of oil/grease.
 - Leakage, damage on shaft seal, corrosion, abrasion, crack, etc.
 - Check vibration.
 - Soot blower system:
 - Investigate nozzle, lance, seal head valve and spring therein, bearing chain, gland packing, seal packing for any indication of erosion, corrosion, wear, crack, damage, etc.
 - Valves as well as other boiler auxiliaries:
 - Disassemble and check for crack, erosion, deformation, damage on various parts.

- Field of experience :**
- About 17 years of professional experience in the field of thermal power station operation and maintenance of boilers and boilers auxiliaries (Heavy oil pump, forced draft fans, air pre-heater, burners, safety valves.....).
 - Major maintenance of units that replacement and install coils of final super heater in unit (2x312MW) and units (3x30MW), replacement gas recirculation fan and gas air heater in unit (2x312MW) in Assiut Power Plant.
 - Participated in major maintenance as a Boiler Engineer in two units at EL-SHOAIBA Power Plant in Saudi Arabia with PEMCO Power Equipment & Materials Co. Ltd.
 - I did training courses within the work to raise the professionalism of workers in the field of mechanical maintenance under the supervision of the training sector within the company.
 - Mixture of technical abilities, organization skills and leadership.
 - Good knowledge in raising awareness of preventive role in the area of occupational safety and health.