

Holds a B. Sc. in Mechanical Design & Production Engineering and has about 37 years experience working in maintenance, operation, start-up and as Site Project Manager.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/07/1959
Gender : Male
Marital Status : Married
Residence : Mansoura

EDUCATION

: B. Sc. in Mechanical Design & Production Engineering, Mansoura University, 1982

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Certificate of training in Non-Destructive Testing (NDT).
: Visual inspection testing (VT).
: Ultrasonic testing (UT).
: Radiographic film interpretation testing (RT).
: Magnetic particle testing (MT).
: Liquid penetrant testing (PT).
: Advanced control system.
: Preventive maintenance / life extension (Advanced technology for steam, gas, hydro power plant Environmental control systems and substation equipment's).
: Operation and maintenance gas turbine GE frame 5.
: General safety training & supervision.
: Permit to work.
: Work at height training & fall protection training of scaffolding.
: Confined space training.

- : Material Handling & storage.
- : HOT work training.
- : Personal protective equipment.
- : Incident & Accident reporting.
- : Emergency & rescue planning and response.
- : Risk assessment Training.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2021 till now
- Employer** : AC Boilers
- Project** : Assiut Supercritical Power Plant 1x650MW
- Job title** : Site Project Manager
- Job Description** :
- Responsible for mechanical commissioning for all boiler system like:
 - Air & flue gas system equipment's FDF, GRF, AIR HEATER, COOLING FANS, SOOTBLOWER FANS AND ALL CONTROL DAMPERS AND MOTORIZED DAMPERS.
 - Also fuel systems (oil, natural gas, solar oil, Berners).
 - Also, mechanical commissioning for all control and shut off valves.
 - Responsible for DESP (dray electrostatic participators) mechanical alignment.
 - Responsible for ASH (fly ash system) mechanical commissioning for all equipment's (Vacuum Blowers, DE dusting fan, Rotary Feeder).
 - Responsible for following all operation team activities.
 - Preparing all daily and weekly report for mechanical and operation activities.
 - Preparing for all work permits for daily activities.
 - Preparing for spare part list for our mechanical equipment maintenance.

- Dates** : From Sep. 2018 till Jul. 2019
- Employer** : EDEPC
- Project** : Damietta CCPP
- Job title** : Site Project Manager
- Job Description** :
- Rehabilitation HRSG units 3 & 4 HP Evaporator, HP Economizer, Condensate preheater and HP Super heater replacement.
 - Repair HP drum and LP drum.
 - Follow the Chemical Cleaning, Insulation and Cladding.
 - Repair inlet and bypass damper.
 - Coordinate Expansion Joint changing:
 - Inlet hot gas duct.
 - Under HP drum.
 - Outlet heater for HP Super heater.
 - Follow Install Balancing Plate in hot gas duct inlet.
 - Carrying out daily reports.
 - Give a complete assist for Operation and Maintenance Scope.

Dates : From Nov. 2015 till Sep. 2018
Employer : EDEPC
Project : Damietta CCPP
Job title : Head of Boiler & Auxiliaries Maintenance Engineer
Job Description :

- Coordinate and maintenance for 6 high pressure power boilers (250 t/h - 85 bar) such as:
 - Carried out all kinds of preventive.
 - Internal inspection.
 - Repairing of piping tubes, hydro tests, online safety valves tests ...etc.
 - Major and monitor maintenance for HP Feed Water and LP re-circulation pump.
- Recommend a maintenance strategy based on a Reliability Based Maintenance program and monitor effectiveness of the preventative maintenance program.
- Coordinate and facilitate the preventive maintenance program for the Facility including assist in outage planning.
- Advise and make recommendations to Representative regarding requirements for environmental, health and safety compliance management.

Dates : From Dec. 2014 till Nov. 2015
Employer : EDEPC
Project : Damietta CCPP
Job titles : Head of Project of HRSG Rehabilitation
Job Description :

- Rehabilitation HRSG units 1 & 2 HP Evaporator, HP Economizer, Condensate preheater and HP Super heater replacement.
- Repair inlet bypass damper.
- Repairing HP and LP Drum.
- Follow all steps of chemical cleaning for all parts of HP & LP tubes.
- Make recommendations on the performance and recording of periodic operational checks and tests of Facility equipment requirements.
- Make recommendations for any identified areas of improvement that will result in lower cost operation or increased efficiency and output:
 - Summary of progress against targets.
 - Information related to the work scope reasonably required.
 - Report immediately verbally (written report within 24 hours) of any incident, as they become aware of it, occurring at the plant and relating to health & safety that in their opinion requires immediate response.

Dates : From Jul. 1997 till Dec. 2014
Employer : Al Mirfa Power Co.
Project : Abu Dhabi Water & Elect. Authority (Power and Desalination Plant)
Job title : Shift Charge Engineer
Job Description :

- Inspect the unit's and its auxiliaries, electrical, mechanical, control and instrumentation equipment condition prior to start-up, during operations and after shutdown.

- Start, synchronize and shut down the gas turbine following proper operating procedure and established parameters.
- Record all plant/auxiliaries operating data, including all alarms and protective devices being actuated and reports any deviation to the concerned maintenance Engineer necessary action
- Apply remedial measures to all impending troubles/abnormalities and reports such to the Maintenance Engineer and concerned maintenance group for assistance.
- Ensure that the turning gear system is functioning properly during shutdowns or trip outs.
- Read meter gauges, log all locations/auxiliaries operating data, including all alarms and protective devices being actuated and report any deviation to maintenance Engineer for necessary action.
- Responsible for creation and maintenance of Operations Report Programs (Daily, Weekly, Monthly and Annual) Windows based application soft wares.
- Responsible for complete filling of Operations documentations for overall unit performance analysis.
- Rotary Machines Maintenance (Pumps, Fans...etc.).
- Static Equipment Maintenance (Valves, Flanges...etc.).
- Follow the Demi-plant and Remi-plant operation and maintenance.
- Responsible for safe Startup and Shutdown and have knowledge of hot & cold start-up for auxiliary fire boiler.
- Ability to take quick action during emergencies.
- Make periodic inspections to see that all equipment and controls are operating properly and are in good condition.
- Maintain of Fans, blowers, control valves, Motorized and Inching valve (Main steam stop valve) and other drives to run the plant.
- Preventive maintenance as well as breakdown maintenance, which are required for plant maintenance.
- Planning for shutdown work in annual maintenance.
- Performing the shutdown work and make plant better through Modifications.
- Cleaning the boiler by soot blowers during firing diesel fuel oil.
- Change over fuel from gas to Oil.
- To co-ordination and follow up with maintenance department on status of day to day routine maintenance, executing preventive and break down maintenance completion.

Dates : From Apr. 1993 till Jul. 1997

Employer : EDEPC

Project : Damietta CCPP

Job title : Maintenance Engineer

Job Description :

- Daily checkup for all rotating equipment.
- Corrective maintenance for (centrifugal pumps, centrifugal compressors, screw compressors, liquid ring compressors, centrifuges, high speed, Vertical submersible pumps and gear pumps).
- Preventive maintenance (weekly - monthly - 3 monthly - 6 monthly - yearly) for (centrifugal pumps – centrifugal compressors – screw compressors – liquid ring compressors – centrifuges – high speed (sun dyne) pumps – vertical submersible pumps – multistage pumps – gear

pumps).

- All trouble shooting for pumps.
- All trouble shooting for compressors.
- All trouble shooting for centrifuges.
- Managing all plant technicians' time sheets, attendance, overtime and shift schedules.
- Carrying out all jobs risk assessment.
- Following the condition monitoring and vibration analyses reports & predictive maintenance for all rotary equipment.

Dates : From Apr. 1993 till Jun. 1995
Employer : MDEPC
Job title : Shift Operation Engineer
Job Description : Responsible for all operation activates of 8 gas turbines (GE frame, 25MW) and 8 HRSG and 2 Steam Turbines (each 50MW) such as:

- Make Co-ordination with Mechanical, Electrical, Instrumentation Department.
- Safe start-up, shut down & synchronization of unit.
- Smooth & Efficient operation of Boiler & related auxiliaries.
- Monitoring and handling of any kind of Emergency & abnormality.
- Doing isolation and normalization of auxiliaries as per requirement & safety permit system.
- Preparation of daily, monthly and yearly plant reports and Work notification requests through SAP.
- Try to minimize auxiliary power, water & coal consumption.
- Take care and make decision during emergency with consulting seniors if time permits.

Dates : From 1986 till Aug. 1990
Job Description :

- Worked as a Teacher in Industrial School for machines and mechanical workshop.
- Served as an Officer in the Armed Forces of Egypt (for maintenance and planning of production line of spare parts required for military trucks).