

Holds a B. Sc. in Mechanical Power Engineering and has over 18 years hands-on experience working in operation, commissioning and maintenance, mainly at Abu Sultan Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/12/1973
Gender : Male
Marital Status : Married
Residence : Ismailia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 1996

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 14, 2000
: MS Project 2007

TRAINING COURSES AND CERTIFICATIONS

: Operating of steam power plant at Abu Sultan Power Station.
: Operating of combined cycle power plant at Damietta Power Station.
: Fire fighting course at fire station in Ismailia.
: Safety courses at Qatar Chemical Company based on OSHA standards including:

- Personal protective equipment requirement.
- Work permit.
- JSA (job safety analyses).
- Confined space entry.
- Log out tag out.
- Evacuation plan.
- Handling and storage of hazardous substances.

: Technical know-how transfer cooperation program at Egyptian Operating Company.

- : Maintenance procedure information system at Abu Sultan Power Station.
- : Advanced course in metal welding.
- : Introduction to machinery vibration at Fayed Training Center.
- : Planning for maintenance at Fayed Training Center.
- : Destructive and non-destructive tests for material at Egyptian Society of Engineers.
- : Emerson DCS course.
- : Computer courses.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2009 till now
- Employer** : East Delta Electricity Production Co.
- Project** : Abu Sultan Power Station
- Job title** : Mechanical Maintenance Engineer
- Job Description** :
- Supervising of all kind of maintenance programs (protective, predictive and corrective).
 - Supervising major inspection of turbines.
 - Analyze equipment operating problems, make recommendations and carry out repair work.
 - Routine check of all running equipment, monitor the performance and take corrective actions in order to prevent breakdowns.
 - Issuing of PTW.
 - Assignment of needed spare parts.
 - Making out of daily reports.
-
- Dates** : From May 2008 till Dec. 2008
- Employer** : Qatar Chemical Company (Q-chem):
Q-chem is working on chevron Phillips technology and producing the following products as for the old units:
- Polyethylene.
 - Hexene.
 - Sulfur.
- And as for the new units it will produce normal Alpha olifins NAO (C6, C8, C10, C12, C14, C16, C18, C20, C22-24, C24-28, C30+).
- Job title** : Commissioning Engineer
- Job Description** :
- Reporting on mechanical completion progress.
 - Reviewing of P&ID diagrams and punch points and preparing punch list.
 - Preparing of commissioning procedures.
 - Planning, implementation and coordination of the commissioning of tank farm area (tanks, pipe lines and pumps).
 - Documentation of the commissioning results.
-
- Dates** : From May 1998 till May 2008
- Employer** : East Delta Electricity Production Co.
- Project** : Abu Sultan 4x150MW Steam Power Plant
(7.5MW emergency gas turbine)

Job Description :

- Foster wheeler boilers (530ton/hour) with 8 burners that could be lit either no 6 fuel or natural gas and solar as igniter fuel, 2 FDF and 2 IDF, 2 air heater.
- America Delaval condenser.
- GE 3 stage turbines of 126kg steam pressure and 512 °C steam temperature entrance, 6 extraction points.
- GE generator (15KV, 3000 rpm, 193 MVA, power factor of 0.85).
- Main transformer (15KV/220KV).
- Other facilities (feed water system, condensate system, hydraulic oil system, lubricating oil system, fuel systems, circulating water system, closed loop cooling system, hydrogen generation system).
- Emergency GE gas turbine of 7.5MW.
- Emergency diesel engine that is used in case of black start to operate air heaters, vacuum breaker valves and turning gears.
- Water treatment unit.
- Shift Charge Engineer (from 2003 till 2008):
 - Working on Honeywell DCS system and GE Mark V turbine:
 - Leading a team work.
 - Connecting and disconnecting 220KV circuits.
 - Making sure that safety rules are followed.
 - Responsible for operating units economically by saving fuel and energy as possible as can.
 - Ensuring close adherence to safety, environmental and quality requirements.
 - Testing of emergency gas turbine and emergency diesel generator.
 - Making out daily reports.
- Board Operator (from 2000 till 2003):
 - Working on Forney semi-auto. System, Honeywell DCS and GE Mark V:
 - Responsible for monitoring and operating the plant through DCS system.
 - Responsible for proper operation of all assigned equipment and systems.
 - Carrying out start-up, shutdown, routine and emergency operation of plant.
 - Changing burning fuel from gas to no 6 fuel and vice versa.
 - Making various tests on GE turb.
 - Maintain equipment and facilities in sound and clean condition.
- Field Engineer (from 1998 till 2000):
 - Daily checking of equipment and determining of defects.
 - Carry out isolation of equipment for planned and emergency maintenance.
 - Achieving light maintenance work.
 - Coordination with maintenance groups for heavy maintenance work.
 - Monitoring and operating the plant through DCS system.
 - Carrying out start-up, shutdown, routine, and emergency operation of plant.
 - Maintain equipment and facilities in sound and clean condition.
 - Ensuring close adherence to safety, environmental and quality requirements.

- Achieving various tests on GE turbine.
- Making out daily reports.

Employer : Hitachi Operation & Maintenance Co.
Project : Cairo North Combined Power Station (250MW steam, 2x250 gas turbines)
Job title : Mechanical Engineer
Job Description :

- Coordination and supervision of all activities during warranty inspection of 250MW Hitachi steam turbine at North Cairo Power Station.
- Coordinating between Japanese team from one side and customer and workers from the other side.
- Assigning of needed spare parts and tools.
- Making out daily reports.