100308-MEC-1CMOSY-E-1999
Senior Gas Turbine Field Service Engineer

Holds a B. Sc. in Mechanical Production Engineering and has over 17 years hands-on experience working in construction, maintenance, operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	17/10/1976
Gender	:	Male
Marital Status	:	Married
Residence	:	Damanhour

EDUCATION

: B. Sc. in Mechanical Production Engineering, Alexandria University, 1999

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2010 till now
Employer : SIEMENS
Job title : Senior Gas Turbine Field Service Engineer
Job Description : Doing all maintenance work for Siemens machines (SGT6 2000E (Vxx.2 machine) & SGT5 4000F (Vxx.3/Vxx.3Amachine)) inside & outside Egypt (Middle East), which include:

- Dis-assembly & assembly the machine as Shift Leader (CME2/CME3).
- Performing & supervising all rotor wok as Senior Rotor Specialist (CRBT3).

Dates : From Jun. 2009 till Oct. 2010
Employer : PGESCO
Project : El-Atf Combined Cycle Power Station (750MW)
Job title : Commissioning Engineer for gas & steam turbine (Mitsubishi & Ansaldo)

Job Description :

- Commissioning and start-up for two Mitsubishi gas Turbines frame (701F) 250MW each, which include lube oil flushing, control oil flushing, and seal oil Flushing, air blowing...) and Commissioning & start-up for GT Auxiliary (Motor test, Heat run……).
- Pre-commissioning, commissioning and start-up for the steam turbine and its auxiliaries.

Dates : From Nov. 2007 till May 2009
Employer : Al Toukhi Co. (KSA)
Project : JAZAN Power Plant Extension Project (525MW)
Job title : Construction Mechanical Engineer for G.E. gas turbine
Job Description :

- Installation of 7 (seven) G.E. gas turbines frame 7EA with auxiliaries including Alignment work between accessory compartment and Turbine Compartment and Alignment work between generators Compartments and turbine Compartment (Alignment work here include both preliminary alignment and final alignment).
- Auxiliaries alignment in accessory compartment which include Alignment of lube oil pumps, alignment between starting motor and Torque converter, alignment between torque convertor and Accessory gear drive and alignment between fuel oil pump and Accessory gear drive.

Dates : From 2002 till Oct. 2007
Employer : West Delta Company for Energy Production
Job title : Mechanical Operation / Maintenance Engineer for gas and steam turbines
Job Description :

- Maintenance activities >>> Doing all kind of maintenance inspection of gas turbines such as the following:
  - Stand by inspection which is performed during off-peak periods when the unit is not operating and includes routinely servicing of accessory systems such as changing filters, checking oil and water levels.
  - Running inspection which is consists of the general and continued observation made while a unit is operating. In this kind of inspection data is taken at regular intervals and is recorded to permit an evaluation of the turbine performance. This operating inspection data such as: Load versus exhaust temperature, vibration level, fuel flow and pressure, bearing metal temperature, lube oil pressure, exhaust temperature spread variation…. inc.
  - Disassembly inspection which requires opening the turbine for inspection of internal components and this include doing the following:
    - Combustion inspection which is short disassembly shut down inspection of fuel Nozzles, combustion liners, transition pieces, cross fire tubes and retainers.
    - Hot gas path inspection which includes the full scope of the combustion inspection and in addition a detailed inspection of turbine nozzles, stator shrouds and turbine buckets.
    - Major overhaul inspection which is made to examine all of the internal rotating and stationary components from the inlet of the machine through the exhaust. This inspection includes previous elements of the combustion and hot gas path

inspection, in addition bearing inspection, accessory inspection, inlet air inspection; check alignment - gas turbine to generator / gas turbine to accessory gear.
- Receiving inspections of gas turbine assembly parts, making reports and material requisition as per material planning.
- Responsible for preventive, corrective and breakdown maintenance of wide range of equipments.

- Operation activities:
  - DCS control system supervision of:
    - 4 HRSG (Manufacturer: NEM) Single pressure heat recovery, 4 Heat exchangers, feed water tank, high pressure drum, steam Lines, high and low pressure circulation pumps and feed water Pumps.
    - Steam Turbine Auxiliaries: Cooling Water Pumps, Hydraulic and Lubrication Oil Circuits, Condenser, Air Ejectors, Dump System and Compressed Air systems.
    - Operation and supervision of:
      - Steam turbine Manufacturer: GE, Controls: MARK IV.
      - Gas turbines Manufacturer: GE frame 5.
  - Supervision of local operation, following up and troubleshooting of pumps, valves (electrical, Hydraulic and Pneumatic) and Tanks.
  - All electrical settings, Generators / grid including all Transformers, breakers and batteries Operation.
  - Electrical Maneuvers including in the Switchyard 220KV, Gas turbine Switchgear and Combined Cycle switchgear. Maneuvers include connecting and disconnecting circuits, Isolating of bus bars, changeovers and Cleaning up for Isolators.
  - Supervision of local operation of the Fire Fighting System for the entire plant: (Deluge System for Transformers, Foam Suppression System for fuel tanks.
  - Supervision of local operation of natural gas receiving tank, filters, pipelines and valves.
  - Preparation and supervision of Work Permits including revising working cautions, dangers Analysis and Safety cautions.

Dates	:	From Aug. 2000 till 2002
Employer	:	Hassan Allam Sons
Job title	:	Site Mechanical Engineer
Job Description	:	Execute and supervise steel structure work in power plant such as steel work in North Cairo Power Plant.