

# 104418-MEC-18Mcf-S-2005

## Mechanical Maintenance Supervisor

Has about 18 years' experience working as a Mechanical Maintenance Technician / Supervisor and Forklift Driver, supporting minor inspection - hot gas path inspection - overhaul - LTE maintenance at Nubaria Combined Cycle Power Plant. He is doing all maintenance activities in the Power Plant.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 25/09/1974  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

### EDUCATION

: Mechanical Industrial (5 years)

### LANGUAGES

Arabic : Native Language  
English : Fair

### COMPUTER SKILLS

: Windows, MS Office, Internet

### CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2005 till now  
**Employer** : Middle Delta Electricity Production Company  
**Project** : NUBARIA Combined Cycle Power Plant (2250MW):

- Nubaria (1 & 2) 1500MW consisted of 4 gas turbine Siemens V94.3A2, 4 HRSG ALSTOM and two Mitsubishi TC2F-35.4"
- Nubaria (3) 750MW consisted of 2 GE gas turbines GE MS9001FA, 2 HRSG STF and one ALSTOM steam turbine

**Job title** : Mechanical Maintenance Supervisor  
**Job Description** :

- Follow up all site mechanical maintenance activities for SIEMENS SGT5-4000F 250MW gas turbines such as:
  - INVOLVED in Minor Inspection the programmed schedule inspection every 8000 EOH.
  - INVOLVED in 4 Hot Gas Path the programmed schedule inspection at 25000 EOH.
  - INVOLVED in 8 Major Inspections the programmed schedule

inspection at 50000 EOH.

- Follow up all site mechanical maintenance and CONSTRUCTION activities for Alstom 250MW steam turbines Nubaria CCGT such as:
  - Involved in 1 major inspection for the Alstom 250MW steam turbine.
  - Involved in bearings inspection for steam turbine and modification for bearing 1.
  - Involved in steam turbine constructions activities in Nubaria project.
  - Involved in steam turbine commissioning and start-up activities in Nubaria project.
- Follow up all site mechanical maintenance activities for steam turbine Mitsubishi TC2F-35.4" 250MW such as:
  - INVOLVED in warranty overhaul inspection for Mitsubishi steam turbine TC2F-35.4" 250MW, THE WARRANTY INSPECTION UNDER MITSUBISHI COMPAMY.
  - INVOLVED in warranty overhaul inspection for Mitsubishi steam turbine TC2F-35.4" 250MW valves (HPSV, HP CV, ICV, RSV, LPCV, LPSV), THE WARRANTY INSPECTION UNDER MITSUBISHI COMPAMY.
  - INVOLVED IN THE PROGRAMMED MAJOR INSPECTION FOR Mitsubishi steam turbine TC2F-35.4" 250MW FOR STEAM TURBINE PARTS (HIP TURBINE, LP TURBINE, 6 JORNAL BEARING, THRUST BEARING, ...ETC.).
  - INVOLVED IN THE PROGRAMMED MAJOR INSPECTION FOR Mitsubishi steam turbine TC2F-35.4" 250MW VALVES FOR (HPSV, HP CV, ICV, RSV, LPCV, and LPSV) ...ETC.).
  - INVOLVED IN MAINTENANCE FOR STEAM TURBINE AUXILIRIES (MAIN LUBE OIL and hydraulic system, vacuum system, gland steam system, etc.).
- Follow up all site mechanical maintenance activities for General Electric (GE) gas turbines such as:
  - 4 Combustion Inspections (CI) Nubaria Site the programmed schedule inspection every 8000 EOH.
  - 2 Combustion Inspections (CI) Kureimat Site the programmed schedule inspection every 8000 EOH.
  - 4 Major Inspections the programmed schedule inspection at 50000 EOH.
  - Full awareness for using ITH and High torque Machines.
  - Participate in compressor blades repair and change.
  - Borescope inspection for all gas turbine sectors.
  - Participation in Generator Hydrogen Seal replaces and repairs.
  - Participation in 4 Generator Warranty inspections.
  - Participate in Bearing No. 1, 2, 3, 4 and thrust bearing inspection.
  - Take all clearances referring to all Compressor and Turbine sections.
  - Maintenance of trash rack.
  - Maintenance of traveling screens.
  - Doing the maintenance schedules (daily – weekly – monthly - ...etc.).
  - Maintenance of the Atlas Copco compressors.
  - Involved in a GE MS9001FA gas turbines major inspection outage after surge accident to the compressor so work with GE team open

- the entire machine for inspection and change the damage part.
- Follow up all site mechanical maintenance activities for HRSG (heat recovery steam generation):
    - Maintenance of 4x250MW HRSG Boiler, ALSTOM.
    - Maintenance schedules (daily, weekly, monthly, etc.).
    - Inspection and receiving spare parts for contracts.
    - Emergency diesel generator (output 1.5MW) consists of 12 cylinders.
    - Inspection and repair for all manual and control high-pressure steam valves types (gate, globe, knife, butterfly, ball and check valves) with different size.
    - Make maintenance of steam sample system.
    - Inspection and fix of vertical sump pump (golds, ksp, etc.) and recirculation preheated pump.
    - Make maintenance for service and instruments compressors.
    - Maintenance documents.
    - Breakdown maintenance.
    - Inspection and fix hp and lp (feed multi stages) water pumps.
    - Inspection HRSC (drums, pipes, deareator) for cracks and make treatment for all cracks.
    - Make mechanical maintenance for all actuators (pneumatic, motors and hydraulic).
    - Make maintenance Safety valves, Bypass valves.
    - Make maintenance of steam sample system.
    - HRSG water treatment (ammonia, phosphate, hydrazine-dosing pumps).
  - Follow up all site mechanical commissioning activities for SIEMENS gas turbines SGT5-8000H in New Capital CCPP such as:  
 Work as a mechanical commissioning in New Capital Power Plant 4800MW CCPP, in this period I have work with construction and commissioning team as a Mechanical Fitter for the pre-commissioning and commissioning of SIEMENS gas turbine SGT5-8000H such as:
    - Changing the oil box for turbine bearing.
    - Change turbine bearing tilting pad.
    - Flushing for MBX.
    - Change lift oil pump no off 3.
    - Inspection for compressor bearing of Siemens gas turbine SGT5-8000H.