

**102590-MEC-18OS-E-2003**  
**Mechanical Operation Engineer**

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in Steam Power Station. Has about 12 years hands-on experience, including 11 years working in operation, commissioning and start-up at Nubaria Combined Cycle Power Station.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 15/07/1979  
Gender : Male  
Marital Status : Married  
Residence : Damanhour

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Menoufia University, 2003  
: Diploma in Steam Power Station, Cairo University

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: On-shore basic operation training "A" of GE gas turbine, Nubaria (Feb./Mar. 2009): Gas turbine components, Mechanical part & general concept, Operation and start-up (by GE Company).  
: On-shore basic operation training "B" of GE gas turbine, Nubaria (Mar./Apr. 2009): MK VI Gas Turbine & Generator Control Operations, Electrical part, Operation and start-up (by GE Company).  
: On-shore training of high and medium voltage (500KV/220KV/6.3KV).  
: On-shore training Mitsubishi steam turbine by simulator.  
: On-shore basic operation training of Misubishi, Nubaria.  
: On-shore basic operation training of gas turbine Siemens v94.3A each one produces 250MW, Nubaria (May/Jun. 2010): Introduction to the plant, Electrical and I&C part, gas turbine.  
: On-shore training of fuel oil cleaning methods by Initec Company, Nubaria.  
: On-shore basic operation training of ALSTOM HRSG, Nubaria.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2006 till now
- Employer** : Middle Delta Electricity Production Co. (MDEPC)
- Project** : Nubaria Combined Cycle Power Station (2x750MW):
- Two modules, each module consists of:
    - Two Siemens CTG 250MW type V94.3A.
    - Two horizontal Alstom HRSGs.
    - One Mitsubishi STG 250MW (HP, IP, LP).
  - 220KV switchyard ABB.
  - 500KV switchyard JAPAN AG.
  - Four tie transformers 500/220KV.
  - Medium and Low Voltage Switch gears.
- Job titles** : • SIEMENS CTG 250MW type V94.3A Operator Engineer  
• HRSG Operator Engineer  
• Mitsubishi Steam Turbine Operator Engineer
- Job Description** : • Start-up and shutdown of the power plant units with Scada system (DCS).  
• Commissioning and start-up of gas turbine, HRSG and steam turbine.  
• Commissioning and operation of rotating equipment such as circulating pumps, service pumps, feed water pumps, closed cooling pumps, fire pumps.....etc.  
• Commissioning of critical equipment such as by-pass valves and tuning of valves.  
• Commissioning of HRSG for gas and fuel oil operation.  
• Remark and update the technical documents (P&IDs, system description) with all applied modifications and adjustments that eventually will take place during the commissioning period.  
• Commissioning of steam turbine auxiliaries (lube oil skid, hydraulic skid, gland steam skid, seal oil skid and vacuum skid).  
• Check the values of alarm and trip for power plant.  
• Commissioning of HRSG (hydrostatic test, chemical cleaning of pipes and lines).  
• Make steam blow for (high pressure, intermediate pressure and low pressure coils).  
• Connect and disconnect of power plant transformers, medium, low voltage switch gear (6.3KV, 220KV, 500KV).  
• Make weekly and monthly tests for steam turbine.  
• Start-up and shut down of power plant.  
• Check the Nox & Sox content in exhaust to protect the environment.  
• Besides I do training courses for new engineers and technicians.
- Dates** : From 2005 till 2006
- Employer** : West & Mid Delta Bus Company
- Job Description** : Maintenance engineering for internal combustion engine.