

**105682-MEC-10-E-2010**  
**HRSG & Steam Turbine Operation Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has about 11 years hands-on experience working in operation and start-up at Damietta Combined Cycle Power Plant.

## PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Residence : Dakahlia

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2010

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Non-destructive testing (NDT II) course (2018).
- : Machinery shaft alignment course (2017).
- : Vibration, alignment and balance course (2018).
- : AUC / NCEES, Fundamental engineering exam (FE) (2011).
- : Diploma in hydraulic machine, Mansoura University (2015).
- : PMI, Project Management Professional (PMP®) (2018).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2012 till now  
**Employer** : East Delta Electricity Production Company  
**Project** : Damietta Combined Cycle Power Plant  
**Job titles** : HRSG & Steam Turbine Operation Engineer  
**Job Description** :

- Monitoring DCS readings and alarms of performance parameters.
- Operating & controlling equipment through ovation system control and PGP (Power Generation Portal).
- Taking appropriate action to correct deviations from established standards to ensure continuity of operations.

- Provision of electric power in a safe and reliable manner according to load demands.
- DCS operating of HRSG (BORSIG) (70 bar, 500 °C, 500 T/ hr) and its auxiliary such as HP & LP pumps, valves, pumps, heat exchangers, seal air fans, damper.
- DCS Operating and monitoring steam turbine (140MW) (ALSTOM) and its auxiliary such as control oil circuit, lubrication oil circuit, condensate circuit, circulating water circuit, steam bypass circuit, gland circuit and compressed air circuit.
- Ensuring that plant is running at optimal level, by reading trends and paying attention to notice possible problems before they happen.
- Taking all steps to restore the normal operating condition in case of readings change due to causes not associated with the normal operation.
- Preparing assignments and behaving accordingly.
- Carrying out plant mechanical tests, start-up, normal operation and shut-down of turbine, HRSG and their auxiliaries.
- Working in the emergency trip of HRSG and steam turbine.
- Identifying and analysing technical problems, recommending solutions and reporting problems.
- Complete standard reports and other administrative requirements.

<b>Dates</b>	:	From 2011 till 2012
<b>Employer</b>	:	East Delta Electricity Production Company
<b>Project</b>	:	Damietta Combined Cycle Power Plant
<b>Job titles</b>	:	Gas Turbine Operation Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Operating and monitoring two unit of SEIMENS gas turbine SGT5-2000E V94.2 with their auxiliaries such as control oil circuits, lubrication oil circuits, four units of air compressor and Atlas compressors.</li> <li>• Checking all auxiliary equipment and devices (auxiliary power supply, lubrication and control oil system, fuel oil system, fuel gas system and ignition gas system.</li> <li>• Carrying out starting, normal operation, shut-down and stand still.</li> <li>• Troubleshooting analysis.</li> <li>• Operating and testing CO2 firefighting system.</li> </ul>
<b>Field of experience</b>	:	<ul style="list-style-type: none"> <li>• Experienced Mechanical Operation Engineer at combined cycle power plant. Providing technical support including safe and reliable operation of gas turbines, steam turbines, HRSG (Heat recovery steam generator), feed water pumps, water circuits, steam circuits, hydraulic circuits (lubrication and control), firefighting system and compressed air circuits. Determining and analyzing equipment malfunctions. Astute observation followed by good and fast action.</li> <li>• Excellent mechanical analytical and troubleshooting skills.</li> <li>• Skilled in reading mechanical drawings.</li> <li>• Coordinating with other disciplines (Electrical, Instrumentation) to start-up and test plant systems.</li> <li>• Superior management organizational.</li> <li>• Working closely alongside the engineering and technician teams.</li> <li>• Technical support and guidance to technicians.</li> </ul>