

Gas Turbine & Combined Cycle Control Room Operator

Holds a B. Sc. in Electronics & Communication Engineering and has over 12 years' experience working in operation of gas / steam turbine generating units and auxiliaries.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/10/1984
Gender : Male
Marital Status : Married
Residence : El-Obour City, Cairo

EDUCATION

: B. Sc. in Electronics & Communication Engineering, The National Institute of Aviation Engineering and Technology, 2008

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2000-2006

TRAINING COURSES AND CERTIFICATIONS

- : Training course in Yokogawa Company in Kingdom of Bahrain on Centum VP 100% control System.
- : GE combustion gas turbine 250MW type 9FA commissioning, start-up, performance, reliability tests and operation (Gas & Liquid fuel) (Apr./May 2012), Nubaria.
- : ALSTOM steam turbines on-site operation mechanical training and operation electrical/control training (from Feb. till Apr. 2013), Nubaria.
- : STF HRSG commissioning, start-up, performance, reliability tests and operation (Nubaria).
- : Middle Delta Electricity Production Company training course for Gas turbine (Component/Operation) and combined cycle (GE CTG 2x250MW - Alstom STG 250MW – STF HRSG) (Nubaria).
- : ANSALDO steam turbines 250MW commissioning, start-up, performance, reliability tests and operation.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2015 till now
Employer : Cairo Electricity Production Company
Project : Giza North Power Station 3 Modules (2250MW):
- Six GE CTG x 250MW type MS9001 (9FA) (Mark Vie Control system).
 - Six horizontal HRSG (Yokogawa Centum VP 100% Control system).
 - Three STG 250MW (HP, IP, LP) (ABB Control system).
 - 500KV switchyard and 220KV switchyard.
 - Medium and low switch gears (6.3, 0.4KV).
- Job title** : Gas Turbine & Combined Cycle Control Room Operator
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- Dates** : From Apr. 2011 till Nov. 2015
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Power Station Module III (750MW):
- Two GE CTG x 250MW type MS9001 (9FA).
 - Two horizontal STF HRSGs.
 - One ALSTOM STG 250MW (HP, IP, LP).
 - 500KV switchyard.
 - Medium and low switchgears (6.3, 0.4KV).
 - Module auxiliaries: 3 circulating water pumps, 2 closed cooling water pumps, 2 service water pumps, 2 condensate water pumps, 3 feed water pumps (high pressure, low pressure), 2 tube cleaning system, 2 debris filter, 2 condenser vacuum pumps, 2 water box vacuum pumps, 3 demi water pumps, 6 instrument air compressors, 2 service air compressors.
 - Two outgoing circuits 500KV.
 - Modules Auxiliaries Elect.: 2 auxiliary Trans. 15.75/6.3KV, 6 Load center Trans 6.3/0.4KV, 6 bus bars switchgear 6.3KV.
- Job title** : Gas Turbine & Combined Cycle Control Room Operator
Job Description :
- Follow the Dispatch Load Request.
 - Perform Periodical Test.
 - Start-up and Shut down of the Units.
 - Detect and diagnose malfunction of equipment and prepare for work orders.
 - Operate the units even in case of abnormal operation.
 - Collect and analyze periodical data.
 - Follow and deal with Alarms in Central Control Room.
 - Perform Necessary Measures and Checks out before Equipments Start-up.
 - Follow Operation Specifications.
 - Analyze Equipment Efficiency and performance.
 - Application of Validated Procedures.
 - Analysis of all Necessary Information about Local Sites.
 - Operations of high, medium, and low voltage switchgears and load centers.
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- Dates** : For 3 months (in summer 2015)
Employer : [EGYPTROL](http://www.egyptrol.com)

- Project** : Beet Dawood site in Sohag, Upper Egypt
- Job title** : GE Gas Turbines Operator (emergency units 25MW (TM 2500+))
- Job Description** :
- Familiar with turbine performance test for TM2500+ GE gas turbines.
 - Familiar with turbine operation and maintenance for TM2500+ gas turbines and its control system (Woodward control system).
- Field of experience** :
- Lead the engineers and technical groups to operate Combustion Turbine Generators (GE), with combined Steam Turbine Generators (ANSALDO) and all related equipment and HRSG.
 - Contact with the dispatch to manage the total power needed.
 - Record and write all necessary data & alarms and information.
 - Manage the power station in disturbed situations.
 - Shut down and start-up the module (2 gas turbines (2x250MW) with two combined boilers generates steam for one steam turbine 250MW).