

104670-ELE-16DOS-E-2009
Gas Turbine Generating (GTG) Supervisor

Holds B. Sc. and M. Sc. in Electrical Power & Machines Engineering and has over 12 years hands-on experience working in operation and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/01/1987
Gender : Male
Marital Status : Married
Residence : Currently Iraq

EDUCATION

- : B. Sc. in Electrical Power & Machines Engineering, Minia University, 2009
- : M. Sc. in Electrical Power & Machines Engineering, Fayoum University, 2017
- : Working on PhD degree

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : PIC Microcontroller Programming and Circuit Design
- : PLC Programming and Circuit Design
- : Programming with MATLAB and AUTOCAD

TRAINING COURSES AND CERTIFICATIONS

- : Training Center in Middle Egypt Company, attending summer training in Electrical power fields (Transformers – Distribution panels – Circuit Breakers – power cables – testing transformers oil, etc.) (Jul. 2007).
- : Transformers Station (66KV/33KV/11KV), attending summer training in electrical power fields (Transformers – Protective Devices – Voltage and Current Transformers – Circuit Breakers) (Jul. 2008).
- : Training Program "Development of Thinking and Managerial Skills", Knowledge Approach (Feb. 2009).
- : Training Center in Upper Egypt Electricity Production Company (El-Kureimat Power Station) (from Oct. 2010 till Jan. 2011).

- : Training on the Work of Civil Protection and Fire Department in the Department of Civil Protection in Giza (Jan. 2013).
- : Offshore Training on DCS Foxboro EVO and Safety Triconex at Schneider Electric Systems Italia Spa - Via Sesto San Giovanni, Milano (May 2018).
- : English: TOEFL.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2021 till now
- Employer** : SPM OIL & Gas (Caterpillar Company)
- Project** : Zubair Permanent Power Generation (PPG) Power Plant, Basra – Iraq:
- 4 Gas Turbines (dual fuel - each GT (189MW - 236.3MVA), ALSTOM (13E2) with ALSPA V6 control system).
 - 4 Air cooled generators (type 50WY21Z-095), 2-pole 3-phase synchronous TEWAC.
 - 4 Black Start Diesel Generators (BSDG).
 - Auxiliaries (Fin Fan Cooler, closed cooling, Gas Reduction Station, Water Treatment Plant) 132KV AIS.
- Job title** : Gas Turbine Generating (GTG) Supervisor
- Job Description** :
- PPG POWER PLANT EXPERIENCE:
 - Co-operated with GE for Para scope Test for all GT's.
 - Co-operated with Field core for making (Type C Hot-Gas-Path Inspection).
 - I did LOTO Procedure (Mechanical - Electrical - Instrument) for GT13 preparing for Hot – Gas – Path inspection.
 - I did Emergency Shutdown Procedure for (PPG) power plant.
 - Duties and Responsibility:
 - Co-operation with Control Room Supervisor to ensure smooth operation, safe start-up / shut down of Power Plant during the shift.
 - Responsible for overall plant operation activities in the site.
 - Record all plant/auxiliary equipment operating data, including alarms and protective devices that are actuated and report any deviation to Shift supervisor for necessary action.
 - Perform mechanical and electrical, manual equipment isolation.
 - Online and offline Compressor washing.
 - Day to day plant operation, safely and efficiently, according to good utility practice, dispatch instructions, the company rules and procedures, MOE guidelines, legal, environmental, contractual and other requirements.
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- Dates** : From May 2019 till Jul. 2021
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : EI-Kureimat II 750MW Combined Cycle Power Plant:
- Siemens gas turbine model V 94.3A (2x250MW – T3000).
 - Hitachi steam turbine (250MW – MARK VI).
 - CMI/Skoda Praha HRSG and auxiliaries (Ovation DCS by Emerson).
 - 220KV GIS (one and half C.B).
- Job title** : Shift Charge Engineer
- Job Description** :
- Responsible for overall plant operation activities in shift.
 - Ensure that all the activities in the plant are performed in a safe and

efficient manner in accordance with the approved Standard Operating Procedures, quality standards, time schedules, and other operating requirements.

- Responsible for safe start-up/shut down of the plant as per the Standard Operating Procedures.
- Cooperation with maintenance department to identify and troubleshoot plant equipment and perform mechanical, electrical and instrument maintenance as required.

Dates : From Jan. 2013 till Apr. 2019
Employer : Upper Egypt Electricity Production Company
Project : El-Kureimat II 750MW Combined Cycle Power Plant
Job title : Control Room Operator

Dates : From Oct. 2010 till Dec. 2012
Employer : Upper Egypt Electricity Production Company
Project : El-Kureimat II 750MW Combined Cycle Power Plant:

- Siemens gas turbine model V 94.3A (2x250MW – T3000).
- Hitachi steam turbine (250MW - MARKVI).
- CMI/Skoda Praha HRSG and auxiliaries (Ovation DCS by Emerson).
- Siemens GIS Substation (1500MW - 220KV).

Job Description : Local Operator and Certified Engineer for doing the maneuvers in GIS.

Dates : From Sep. 2009 till Sep. 2010
Employer : Allied Consultant Company (Maadi - Egypt)
Job title : Electrical Engineer
Job Description : Responsible for indoor electrical design.

Academic Experiences:

- Responsible for teaching the electronics applications and measurements at Workers University – Beni Suef.
- Online Courses for teaching the following courses:
 - Fundamentals of Power Systems EE340 (King Saud University).
 - Electrical Power System EE351 (King Abdul-Aziz University).
 - Power System EE361 (Tabouk University).
- Trainer at El-Kureimat Power Station Training Center for university students during the summer vacation as well as the New Kureimat Power Station Engineers and the Technicians inside Power Station. The training includes:
 - The types of power plants and comparison between each of them.
 - The complete cycle of Combined Cycle and Steam Power Plant.
 - Reviewing and following up all tests for mechanical & electrical parts (valves, pumps, ...etc., transformers, motors, circuit breakers, ...etc.).
 - The types of turbine generators and power transformers.
 - The problems that happened inside power plant and how to dealing with it from the operation side.
 - Controlling in operation of the gas turbines, steam turbine, boilers

and auxiliary equipment in a safe and efficient manner during the assigned shift.

- Start-up & shutdown GT, STG, HRSG and Aux. systems.
- Dealing with normal & emergency operation conditions.