

106910-ELE-15CMOS-E-2016
Senior Electrical Site Shift Engineer

Holds a B. Sc. in Electrical Power Engineering and has about 6 years experience working in maintenance and operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/03/1993
Gender : Male
Marital Status : Single
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power Engineering, Arab Academy for Science, Technology & Maritime Transport, 2016

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Logixpro
: Ecodial
: SIMATIC STEP 7 v5.5
: AutoCAD
: ETAP
: STEP 7 Professional V13.0 (TIA)
: Photoshop

TRAINING COURSES AND CERTIFICATIONS

- : Power Distribution and installation:
- Design of general, special, outdoor and façade lighting systems by Dialux.
 - Distribution of power systems (sockets disconnect switches and power outlets).
 - MV/LV substation design.
 - MV/LV single line diagram.
 - Panel boards schedules.

- Short circuit and voltage drop calculations.
- : Automation Diploma:
 - Classic Control Basic.
 - Industrial PLC Basic (S7-1200).
 - Industrial PLC Advanced (S7-300).
 - Industrial PLC Professional (S7-400).
- : Physical, mechanical and electrical hazards.
- : Safety courses from GULF Academy:
 - Basic First Aid, CPR and Basic Life Support BLS.
 - Fire Fighting Training.
 - Fire Marshal.
 - OSHA General Industry Safety & Health.
- : Training at BMW.
- : Training at Misr Petroleum Company.
- : Training at Darwish Mustafa Sons.
- : Training at Soulintec-Encon in ExxonMobil Site.
- : Training Course for Wärtsilä at National Electricity Technology Co.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2020 till now
- Employer** : Energy & Contracting Solutions – ECS
- Project** : New Site: New Power Plant Project in Eastern Tobacco Co.
- Job title** : Senior Electrical Site Shift Engineer
- Job Description** :
- Responsible for uninterrupted Operation and Maintenance of 11k & 22k & 400 volt, 10.5MW which consist of three Jenbacher engines (3x3.5MW) and Four Transformer (2 Step-up & 2 Step-down) in the New Site.
 - Part of the construction team & test commissioning team:
 - Follow the recommended Checklist from Jenbacher for start-up the Power Plant with the Supervisors Team from Jenbacher.
 - Develop, test, and supervise the construction of the power plant electrical components, including electric motors, machinery controls, lighting and wiring, generators, communications systems, and electricity transmission systems.
 - Ensuring that workers follow standard safety precautions while undertaking installation and maintenance works.
 - Job Duties and Tasks:
 - Control to generate specified electrical power, and to regulate the flow of power between generating stations, substations and Eastern Tobacco Company.
 - Identifying and correcting chronic and costly equipment problems, eliminate repetitive failures.
 - Review Logs, Datasheets or Report to ensure adequate Production Levels and safe production.
 - Supervise the plant & Substation operations, maintenance, repair or testing activities.
 - Maintenance and operation Engines, transformer and Auxiliary, Routine maintenance.
 - Performed long term fixes to electrical equipment to eliminate all

faulty process in the plant.

- Analyzed and recommended improvements to operational process to increase performance.
- Ensuring that all electrical installations are as per safety standards, and that workers follow standard safety precautions while undertaking installation and maintenance works.

- Dates** : From Mar. 2018 till Jul. 2020
- Employer** : National Electricity Technology Co. (Egypt Kuwait Holding)
- Project** : Kahraba Power Plant
- Job Description** :
- NEW BORG EL ARAB - 2nd Industrial Zone (Maintenance & Operation Shift Engineer) (from Sep. 2019 till Jul. 2020):
 - Basic Job Description: Responsible for uninterrupted Operation and Maintenance of 11k & 22k volt, 50MW which consist of 5 Wartsila engines (5x10MW) and Four Transformer (2 Step-up & 2 Step-down) in the New Site.
 - Part of the construction team & test commissioning team: Develop, test, and supervise the construction of the power plant electrical components, including electric motors, machinery controls, lighting and wiring, generators, communications systems, and electricity transmission systems.
 - Control to generate specified electrical power, and to regulate the flow of power between generating stations and substations.
 - Supported operation team on all maintenance related issues.
 - Maintenance and operation Engines, transformer and Auxiliary.
 - Performed long term fixes to electrical equipment to eliminate all faulty process in the plant.
 - Analyzed and recommended improvements to operational process to increase performance.
 - Routine maintenance works of motors, panels, etc.
 - NEW BORG EL ARAB - 4th Industrial Zone (Operation & Maintenance Shift Engineer) (from Mar. 2018 till Sep. 2019):
 - Basic Job Description: Responsible for uninterrupted Operation and Maintenance of 11k & 20k volt, 30MW which consist of Four Wartsila engines (2x3.9MW and 2x6.9MW) and Caterpillar engines (6x1.9MW) and Four Transformer (2 Step-up & 2 Step-down).
 - Synchronizing the Generator in the two type Island Mode and Grid Mode.
 - Control generator output to match the phase, frequency, and voltage of electricity supplied to panels.
 - Monitor and inspect power plant equipment and indicators to detect evidence of operating problems.
 - Record and compile operational data, completing and maintaining forms, logs, and reports.
 - Implement programs and procedures required for preventive maintenance. Coordinate with other departments to execute the maintenance activities at the time.
 - Maintenance Supervision, troubleshooting breakdown & Improve it.
 - Maintain safety, health, and environmental policies and procedures.

Dates : From Mar. 2017 till Mar. 2018
Employer : El-Welely for Agriculture Crops
Job title : Maintenance Engineer
Job Description :

- Make recommendations for electrical component updates for energy savings.
- Routine maintenance works of motors, panels, etc.
- Prepared and submitted reports of work performed.
- Responsible in planning, organizing, directing and controlling plant.
- Electrical maintenance repair and revision works in the safest.
- Supervised operation and maintenance of filling and bagging machine.
- Schedule regular maintenance on all electrical equipment.