

106910-ELE-MO-E-2016
Maintenance & Operation Shift Engineer

Holds a B. Sc. in Electrical Power Engineering and has about 3 years hands-on 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
: Photoshop
: Logixpro
: Ecodial
: SIMATIC STEP 7 v5.5
: AutoCAD
: ETAP
: STEP 7 Professional V13.0 (TIA)

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.
- : 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 Mar. 2018 till now
- Employer** : National Electricity Technology Co. (Egypt Kuwait Holding)
- Project** : Kahraba Power Plant
- Job Description** :
- NEW BORG EL ARAB - 2nd Industrial Zone (Maintenance and Operation Shift Engineer) (from Sep. 2019 till now):
 - Basic Job Description: Responsible for uninterrupted Operation and Maintenance of 11k & 20k volt, 30MW which consist of Three Wartsila engines (3x10MW) and Four Transformer (2 Step-Up & 2 Step-down) in the New Site.
 - 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 (Maintenance Engineer) (from Mar. 2019 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).
 - 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.
 - Handled facility and maintenance efforts and managed troubleshooting of facility infrastructure.
 - Responsible for performing routine maintenance.
 - Maintain safety, health, and environmental policies and procedures.
 - NEW BORG EL ARAB - 4th Industrial Zone (Operation Engineer) (from

Mar. 2018 till Mar. 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.
- Load management as per the demand and production.
- Load sharing & shedding during critical period.
- 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.
- Communicate with systems operators to regulate and coordinate transmission loads and frequencies, and line voltages.

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.