

106419-MET-5CMOY-E-2017
Mechanical Maintenance & Operation Engineer

Holds a B. Sc. in Mechatronics Engineering and has over 3 years hands-on experience working in construction, maintenance and operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/11/1993
Gender : Male
Marital Status : Single
Residence : Damanhour

EDUCATION

: B. Sc. in Mechatronics Engineering, Alexandria Higher Institute of Engineering & Technology (AIET), 2017

LANGUAGES

Arabic : Native Language
English : Very Good
French : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D
: Solid Works
: Adobe Photoshop & Photo Instrument & PDF element

TRAINING COURSES AND CERTIFICATIONS

: Trainings about Thermal Processes, Equipment's Maintenance and Power Plant Operation in Steam and Gas Power Plant, West Delta Electricity Production Company (Jul./Aug. 2014 and Aug./Sep. 2015).
: Training about Formation, installation and maintenance of pumps, 99-Lenza Egypt (Jul./Aug. 2018).
: Classic Control:

- Basic & Introduction.
- Classic control Components (Sensors, Timers, Relays).
- Classic control circuit design.
- Motor control (Starting and Speed).

: Testing and Commissioning of Substations:

- Introduction to industrial substations:

- Substation in electrical power system.
- Air Insulated Substations (AIS) & Gas Insulated Substations (GIS).
- Components of MV & LV switchgears.
- Other s/s equipment (Transformers).
- Compact Substations (KIOSKS).
- : Fire Fighting System:
 - Introduction to firefighting systems and components (Sprinklers, Zone control valve, Fire pumps).
 - NFPA standers & Codes for designs.
 - Manual and automatic firefighting systems.
 - Hydraulic calculations using fire elite software.
- : Vibration Analysis (CAT I):
 - Introduction to vibrations:
 - Mechanical vibrations.
 - Vibration analysis – a key predictive maintenance technique.
 - Measuring parameters and vibration:
 - Oscillatory motion, acceleration, velocity and displacement.
 - Location and direction of motion.
 - Common vibration problems: Unbalance, ben shaft, misalignment, resonance and electrical problems.
 - Special part problems:
 - Journal and roller bearing problems.
 - Pump and gear train problems.
- : Gas Turbine Operation and Maintenance:
 - Components and types of gas turbine.
 - Advantages and disadvantages of gas turbine.
 - Thermal cycle for gas turbine.
 - Work and maintenance for gas turbine.
- : Occupational safety and health specialist from NIOSH:
 - Objectives and legislation for Occupational safety and health.
 - Committees for occupational safety and health.
 - Insurance of work injuries, risks and medical examinations.
 - First aid.
 - Physical, Chemical, Mechanical, Electrical and Biological hazards.
 - Fire Fighting and Emergency Plan.
- : ISO 45001-2018: Occupational health and Safety management system (Awareness).
- : Angular Contact Ball Bearings, SKF Group:
 - Introduction to angular contact ball bearings.
 - Features and benefits.
 - Product Range:
 - Single row.
 - Double row.
 - Universally matchable bearings.
 - Four point contact.
 - Applications.
- : Initiating and Planning Projects, University of California, Irvine:
 - Identify project stakeholders.
 - Define the role and responsibilities of the project manager.
 - Summarize the key elements of a project plan.
 - Anticipate common sources of conflict within a project environment.

- : Core Entrepreneurial and Business Skills (CEBS) (Certification), Google.
- : Fundamental of Digital Marketing (Certification), Google.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Oct. 2019 till now
- Employer** : Cairo Poultry Company (CPC), Americana Koki – Nubaria
It's the region's leading vertically integrated poultry company with a business model based on expert control of the supply chain and operations covering all steps of the production cycle.
- Job title** : Maintenance & Operation Engineer
- Job Description** :
- Team Leader of 20 technicians.
 - Working Departments:
 - Three production line "Meyn machine".
 - Ammonia refrigeration and freezing station:
 - ❖ Two Stage:
 - Low Stage: 3 Compressors - 200 HP.
 - High Stage: 3 Compressors - 400 HP.
 - Swing Compressor - 450 HP.
 - Economizer Compressor - 250 HP.
 - ❖ Ammonia Tanks:
 - Tank -40 C.
 - Tank -27 C.
 - Tank -6 C.
 - ❖ Chillers.
 - ❖ 2 Cooling Towers, Evaporators.
 - Boilers:
 - ❖ 2 Fire tubes boilers 7.5 tones per hours of steam 250 Psi.
 - ❖ 2 Softener tanks.
 - ❖ Surge and Deaerator Tanks.
 - 2 Cummins power generation 1675 Kva.
 - Sewage treatment station:
 - ❖ Rotary Machine.
 - ❖ Dafe Machine.
 - ❖ Mixer and Separator Machine.
 - ❖ Selectors Pumps.
 - Waste recycling department:
 - ❖ 2 Batchcooker.
 - ❖ Decanter.
 - ❖ Bin and Screw Conveyor.
 - ❖ Augers.
 - Fire Pumps Room: Electrical, jockey and Diesel pumps.
 - 3 Screw air compressors "Atlas Copco":
 - ❖ 2 Compressors GA 22+ (9 bar, 22 Kw).
 - ❖ 1 Compressor GA 30+ (15 bar, 30 Kw).

Dates : From Jun. 2018 till Apr. 2019

Employer : 99-Lenza Egypt, Helwan
(manufacturing, installation & maintenance of pumps)

Job title : Mechanical Site Engineer

- Job Description** :
- Team Leader of 6 technicians.
 - Application:
 - 99-LEN500:
 - ❖ Centrifugal pumps which is designed for high flow rate up to 800 l/s and head up to 120 m.
 - ❖ Pump is designed for electric motor or diesel engine drive.
 - 99-LEN1000:
 - ❖ Centrifugal pumps which is designed for high flow rate up to 600 l/s (4320 m³/hr) and head up to 20 m.
 - ❖ Pump is designed for electric motor or diesel engine drive.