

105747-MEC-18CDMOS-E-2017

Mechanical Design Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 5 years experience working in construction, design, maintenance, operation and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/05/1994
Gender : Male
Marital Status : Single
Residence : Nasr City, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2017

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Revit MEP
: AutoCAD 2D
: Elite Program for Fire Fighting hydraulic calculations
: HAP Program for HVAC calculations
: Solid Works
: Fusion360

TRAINING COURSES AND CERTIFICATIONS

: Course, PMP PREPARATION - 6th EDITION (Feb. 2022 - May 2022):

- Initiation: Develop project charter and stakeholder analysis.
- Planning: Plan the phases and lifecycle of the project, Plan communications, and resources.
- Execution: Manage task execution and manage communications.
- Monitoring and Controlling: Measure Project performance.
- Close: Deliverables ownership transfer.

: UTW (University to Work) Diploma Round 8 at ECG (Engineering Consultants Group) (from Jul. till Oct. 2016):
The diploma consists of 300+ working hours at the MEP Field which

includes:

- A course in Fire Fighting system (Drafting and Hydraulic Calculations by Elite program and using the NFPA code).
- A course in plumbing System (Drafting and design pipe sizing using the NPC code).
- A course in HVAC system using HAP program to calculate the load estimation and using AutoCAD to make the design routing and pipe sizing.
- A course in Medical Gas system (Drafting and design using the HTM code).
- A course in using Autodesk Revit MEP to design all the MEP systems and making coordination between all these systems with zero clashes.
- Making 3 models by fusion 360 as a self-study.

Award: The Best Member Award at UTW (University to Work) Diploma Round 8 at ECG (Engineering Consultants Group).

- : Internship, EGYPTAIR MAINTENANCE & ENGINEERING (Aug./Sep. 2016):
 - Engine Testing and Overhaul.
 - Hydraulic and Pneumatic Systems.
 - Aerodynamics.
- : Internship, GASCO (Egyptian Natural Gas Co.) (Jul./Aug. 2015):
 - Pipeline Design and Construction.
 - Pipeline Control.
 - Natural Gas Stations.
- : Internship, Talkha Power Station (Jun./Jul. 2015):
 - Steam Turbines.
 - Gas Turbines.
 - Steam Boilers – HRSG.
- : Internship, The Arab Contractors at the central workshops (Jul./Aug. 2014):
 - Automotive Maintenance.
 - Hydraulic and Electric Systems.
 - Automotive Parts and Operation.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2018 till now
- Employer** : ECG Engineering Consultants Group S.A.
- Job title** : Mechanical Design Engineer
- Job Description** :
 - Firefighting Systems.
 - Drainage Systems.
 - Water Supply Systems.
 - Swimming Pools and Water Fountains.
 - Medical Gases, Fuel, LPG and Compressed Air Systems.

- Dates** : From Jun. 2018 till Dec. 2018
- Employer** : Orascom Construction
- Project** : West Damietta Combined Cycle Power Plant (750MW) (4 x GT (125MW) + 1 x STG (250MW))
- Job title** : Field Operator & Maintenance Engineer

Job Description :

- Operate balance of plant system (B.O.P) which include (Feedwater pumps, closed cooling pumps, condensate pumps, vacuum pumps & submersible pumps).
- Operate air cooled condenser (ACC) for Spig Company.
- Maintenance problems with pumps, fans, piping system, valves.
- Technical support for GE (General Electric) and B&W Spig Company.

Dates : From Mar. 2018 till Jun. 2018

Employer : Orascom Construction

Project : West Damietta Combined Cycle Power Plant (750MW) (4 x GT (125MW) + 1 x STG (250MW))

Job title : Commissioning Engineer

Job Description :

- Commissioning & Start-up Processes for combined cycle (chemical cleaning, hydro test, passivation, steam blow, hot cleaning, reliability).
- Pre-commissioning, Commissioning & Performance monitoring for pumps (Feedwater pumps, closed cooling pumps, condensate pumps, vacuum pumps & submersible pumps).
- Pre-commissioning, Commissioning & Performance monitoring for B.O.P system.
- Technical support for GE (General Electric) and B&W Spig Company.

Dates : From Dec. 2017 till Feb. 2018

Employer : Metito Water Treatment Company

Project : West Damietta Combined Cycle Power Plant

Job title : Mechanical Construction Engineer

Job Description :

- Enlarge the capacity of water plant.
- Piping & mechanical equipment constructions using P&ID and ISO drawing.

Dates : Jun. 2017

Job title : Freelancer

Job Description :

- Design HVAC systems.
- Design Firefighting systems.
- Design Medical Gas systems.

Further experiences :

- Revit MEP Coordinator and Constructor for RTW (Ready to Work) Diploma at TEA SERV Tea Engineering Service.
- Revit MEP Coordinator and Constructor for UTW (University to Work) Diploma Round 11 at ECG Engineering Consultants Group S.A.