

101659-MEC-15DEVXZ-E-2016
Mechanical Design Engineer (R&D Specialist)

Holds a B. Sc. in Mechanical Power Engineering and has about 5 years hands-on experience working in design and technical office.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/07/1993
Gender : Male
Marital Status : Engaged
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2016

LANGUAGES

Arabic : Native Language
English : Good
German : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: CAD software: Solid Works, Tekla Structure, Catia, AutoCAD
: CAE software: Solid Works simulation
: CFD software: Solid Works flow simulation

TRAINING COURSES AND CERTIFICATIONS

: Summer training at Marine Logistic (2015).
: Solid Works Diploma (2017).
: HVAC (2015).
: Hydraulic circuits (2015).
: Catia (2014).
: ICDL (International Computer Driving License).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2019 till now
Employer : Power House Co. (6th of October)
Job title : Mechanical Design Engineer (R&D Specialist)
Job Description :

- Design of steel structure according to DNV 2.7.1 and BS standards (Containers, Skids and equipment supports).
- Performing stress analysis for all steel structure products.
- Design of sheet metal product.
- Design of tanks according to EN 12285, UL 142 standards.
- Drafting Process Piping line and supports according to required design.
- Continuous development for Power House product and searching for solution for new problems.

Dates : From Apr. 2018 till Oct. 2019
Employer : EESC (6th of October)
Job title : Technical Office Engineer
Job Description :

- Design and detailing steel structure (Hangers & Bins).
- Design and reverse engineering for sheet metal product.
- Solving problems in industrial solution field.

Dates : From Aug. 2016 till Dec. 2016
Employer : Marine Logistic Co. (Damietta Port)
Job title : Technical Office Engineer
Job Description : Design and drafting for Conveyer belts, Harbor hoppers, bulk containers and weight Scales.

Freelancing work:

- Design bins and steel structure works for animal feed product line at Saqr El-Nubaria Factory (Nubaria) (2018).
- Design of bolted constructed bins for animal feed product line at Nal Foods Factory (Tabouk – KSA) (2020).

Achievements:

- Design of mufflers according to ASHRAE TC2.6 and using CFD methodology to verify design.
- Design of spark arrestor using CFD methodology.
- Design and finding solution for load banks and checking design with thermal analysis.
- Design Jib Crane (500 Kg).
- Design Sand Trap to protect Engine and radiator from dust Storm in desert sites.
- Design and Detailing Bolted Bins and Hopper for Nal Food that have minimized the cost from 2,500,000 SR (importing Bins) to 1,000,000 SR (local fabricated).