

105756-MEC-56CDEMq-E-2010
Senior Mechanical Design Engineer

Holds a B. Sc. in Mechanical Engineering and has about 12 years hands-on experience working in the field of technical office and reverse engineering in the cement and steel industry.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/09/1986
Gender : Male
Marital Status : Married
Residence : Helwan, Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Benha University, 2010

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Solid Works
: AutoCAD 2D & 3D
: SAP 2000 (steel work only)
: MS Project
: Primavera P6

TRAINING COURSES AND CERTIFICATIONS

: PMP course.
: NX-PLM Siemens.
: Reverse of Engineering.
: Firefighting course.
: CSWP – professional mechanical design from Solid Works Dassault Systèmes.
: Internal Auditor for ISO 14001.
: PLC 1.
: Training on process of investment casting, Investment Casting – in China (acc. to A.O.I).

- : TRAINING ON PROCESS OF MANUFACTURING OF VEHICLES & ASSEMBLY IT, NASR FOR THE AUTOMOTIVE INDUSTRY.
- : TRAINING AT PROJECT MANAGEMENT AND MAINTENANCE SHOP, Qarun Petroleum Co.
- : Training at design sec. to how design forging dies, EL NASR FOR FORGING INDUSTRY.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2019 till now
Employer : Engine Factory – A.O.I
Job title : Senior Mechanical Design Engineer
Job Description :

- Make workshop drawings with tolerance & Geometrical tolerance & 3D parametric modeling.
- Performing as built modeling for the existing Spare parts (Turbo-Shaft Engine & Civil parts) by using Solid Works.
- Make calculation note for mechanical element & steel structure work.
- Reviewing of layout, and general arrangement for any Steel Structure projects.
- Make a bill of Materials for mechanical items & steel works to prepare purchase order.

Dates : From Jul. 2011 till Dec. 2018
Employer : Arab British Engine Company / Arab Organization of Industrialization (ABECO / A.O.I)
Job title : Mechanical Design Engineer
Job Description :

- Design the special tools, and fixtures which used on Overhaul Turbo shaft engine.
- Design the frame and bases for engines.
- Re-producing the spare parts for engine and civil works.
- Make the workshop drawing.
- Supervision on Fabrication work.

Dates : From Sep. 2011 till now (part time)
Employer : Menco Group
Job title : Technical Office Engineer
Job Description :

- Make the workshop drawing.
- Measuring the dimensions of the mechanical parts (ducts, elbow, Crusher Body, Screw conveyor, etc.) and make the drawings to fabrication.
- Prepare the time schedule for projects and review with project manager to approved.
- Design Steel Frames Structure.
- BOQs Preparation.
- Supervision on Fabrication work.
- Make Follow-up Site implementation progress.

Dates : From Aug. 2010 till Jul. 2011
Employer : Menco Group

- Project** : Tourah Cement Plant - Packing Section
Job title : Preventive Maintenance Engineer
Job Description :
 - Repairing & maintenance equipment in case occurrence troubleshooting.
 - Managing spare parts required for work site.
 - Preserving efficiency of equipment to ensure workflow.

Projects:

- CNC Plasma Cutting Machine - ABECO / A.O.I.: Design the mechanical parts for machine and supervision on fabrication.
- Re-fabrication Body of Stone Crusher - Menco Group - Qumia Cement Plant: Re-manufacturing the external body of the crusher and chassis of the belts, measuring the dimensions, workshop drawings and manufacturing supervision.
- Design Frame for magnetic separator - Menco Group - Titan Cement - Beni Suef Plant: Design a structure frame for lifting magnetic separator above the belt conveyor of Raw Mill.
- Duct for Electrostatic Filter Cement Kiln - Menco Group - Kattamia Cement Plant: Measuring the dimensions from the filter to the fan and made the design drawings and manufacturing it.
- Ferro-Sulphate Silo 120 m3 - Menco Group - Tourah Cement Plant: Design a structure frame with cylindrical body and outlet cone.
- Frame for C.R of Alternative Fuel - Menco Group - Helwan Cement Plant: Design a structure frame to carry control room unit.
- Upgrade Preheater Kiln 3 - Menco Group - Qumia Cement Plant - FISmidth operation: Measuring the dimensions of expansion joints, elbows, chutes and walk away, and made the workshop drawing for fabrication it.

- Field of experience** : Working since 2011 in the field of reverse engineering for the re-manufacturing of spare parts (turbomachinery engine & civil parts), machines, steel structures and metal parts, and also make shop drawing, As-Built Drawings and bills of quantities.