

Holds a B. Sc. in Mechanical Power Engineering and has about 4 years hands-on experience in design for various international projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/08/1985
Marital Status : Single

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2007

LANGUAGES

Arabic : Native Language
English : Fluent
French : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: LEED Green Associate, 2012.
: Fundamentals of HVAC systems – ASHRAE e learning, 2011.
: Certificate of "L'Alliance Francaise" (2001).
: Certificate of "Toefl" (local), 2002.
: Practical training at Gulf of Suez Petroleum Company (GUPCO), Ras Shukeir, Egypt (2 weeks internship, on-shore & off-shore), 2005.
: Theoretical training for various petroleum process and equipments at Engineering for Petroleum and Process Industries (ENPPI), 2 weeks internship (2005).
: Practical training at all departments of Peugeot – Ghamra, Cairo, 1 month internship (2004).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2008 till now
Employer : Dar Al Handasah Shair & Partners, Cairo – Egypt

- Job title** : Mechanical Engineer
- Job Description** :
- Makkah Metro – Saudi Arabia:
 - Responsible for the design of the HVAC, fire fighting, plumbing systems concept diagrams, reviewing the base of design report. Preliminary design of the mechanical systems, thermal load estimate, coordinate with architectural, electrical, transportation, geotechnical, structural, resources and environmental departments, preparing the bill of quantities.
 - NGH 5 Hospitals – Saudi Arabia (LEED project):
 - Responsible for the design of the HVAC, fire fighting, plumbing and medical gas systems concept diagrams for the 5 Hospitals, reviewing the base of design report. Preliminary design of the mechanical systems for the Riyadh site (Hospital and utility buildings), preparation of sketches for in-house REVIT MEP team while providing guidance, checking REVIT model, coordinate with architectural, electrical and structure departments, preparing the bill of quantities.
 - Pedestrian Tunnels under Shamiyah, Makkah Haram – Saudi Arabia:
 - Responsible for the design of the tunnels and toilet blocks ventilation, fire fighting and plumbing systems according to PIARC and various standards, load calculation, preparation of sketches for in-house CAD team while providing guidance, checking CAD drawings, coordinate with architectural, electrical, transportation, geotechnical, structural, resources and environmental departments, preparing the bill of quantities.
 - King Saud University for Health Sciences – Saudi Arabia:
 - Performing adjustments to the HVAC, fire fighting, plumbing and medical gas systems, preparation of sketches for in-house CAD team while providing guidance, checking CAD drawings, coordinate with architectural, electrical and structure departments, replying to RFI's from contractor.
 - Dar Al Handasah new headquarters, Smart village, Cairo – Egypt (LEED project):
 - Estimation of mechanical requirements, detail thermal load calculations in compliance with the ASHRAE 90.1 standard, design of VAV diffusers, CAV, FCU systems & chilled water network, preparation of sketches for in-house CAD team while providing guidance, checking CAD drawings, coordinate with architectural, electrical and structure departments.
 - Selection of water saving plumbing fixtures to meet the LEED requirements, filling water efficiency templates on LEED online.
 - Princess Nora Bint Abdul Rahman University (Riyadh University for Women), – Saudi Arabia (LEED project):
 - Preliminary thermal load calculations in compliance with the ASHRAE 90.1 standard.
 - Responsible for the design of the plumbing system for three building of the administrative area, preparation of sketches for in-house CAD team while providing guidance, checking CAD drawings, coordinate with architectural, electrical and structure departments, selection of water saving plumbing fixtures to meet the LEED requirements, working as a shop drawing reviewer, replying to TQs from the contractor.

- DLC Office Park, Phase 2 Buildings in Jebel Ali Airport City, Dubai – UAE:
 - Performing adjustments to the HVAC, fire fighting and plumbing systems according to site office comments, coordinate with architectural, electrical and structure departments, revising the specifications.
- Al Ghazala Intercontinental Hotel, Tripoli – Libya:
 - Reviewing Thermal load calculations, VAV, CAV and FCU systems, chilled and hot water networks, sprinkler and plumbing systems, performing adjustments to the HVAC, fire fighting and plumbing systems, preparation of sketches for in-house CAD team while providing guidance, checking CAD drawings, coordinate with architectural, electrical and structure departments, preparing the bill of quantities and the specifications, replying to RFI's from contractor.
- Hurgada International Airport, New Terminal Building – Egypt:
 - Detail thermal load calculations for various buildings, reviewing chilled water network, preparation of sketches for in-house CAD team while providing guidance, checking CAD drawings, preparing the bill of quantities.
- Samba Hotel – Angola:
 - Estimation of mechanical requirements, detail thermal load calculations, preparation of sketches for in-house CAD team while providing guidance, checking CAD drawings, coordinate with architectural, electrical and structure departments.
- Apartments Tower in Luanda – Angola:
 - Detail thermal load calculations, preparation of sketches for in-house CAD team while providing guidance, checking CAD drawings.

Technical Skills:

- Excellent knowledge of ASHRAE Standards.
- Good Knowledge of NFPA Standards.
- Good Knowledge of ASPE Illustrated Plumbing Codes Design Handbook.
- Excellent knowledge of AutoCAD, various equipment selection and Carrier HAP Software.
- Good knowledge of REVIT MEP.

Extra Curricular Activities:

- Worked as an Usher in organizing events for Microsoft and Brilliance.
- Supervisor, Scout Camps / Summer Camps – College de la Sainte Famille, Egypt.