

Holds a B. Sc. in Civil Structural Engineering and has about 12 years hands-on experience working in civil / structural design.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/05/1985  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## **EDUCATION**

: B. Sc. in Civil Structural Engineering, Tanta University, 2007

## **LANGUAGES**

Arabic : Native Language  
English : Excellent

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Bentley Analysis Software (STAAD PRO – STAAD.Foundation – RAM Connection)  
: CSI Berkeley Analysis Software (SAP 2000 – Etabs – SAFE – CSI COL)  
: Various Computer Aided Design programs for Structural Engineering (PCA, Prokon, limcon and other similar programs)  
: Bentley MicroStation XM, V8i  
: Autodesk AutoCAD and Autodesk Revit  
: VBA Macro Programming for creating advanced/automated Excel sheets

## **TRAINING COURSES AND CERTIFICATIONS**

: Project Management Professional (PMP), Optimum Business Solutions.  
: Design of Steel Structures in Accordance with AISC Specifications (2010), The American University in Cairo AUC – EES.  
: Leadership Skills, OCTA Organization Development.  
: Time Management Skills, OCTA Organization Development.  
: Managing Work Through People, OCTA Organization Development.  
: Business Writing, OCTA Organization Development.

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Aug. 2016 till Jan. 2019  
**Employer** : Madkour EPC  
**Projects** :

- Gardenia GIS Substation 220/22KV
- Al-Robiky AIS Substation 66/22KV
- Beni Suef for Cement Factory GIS Substation 220/11KV
- Future Egypt Project (Two Substations) 220/66/22 & 66/22KV
- Sharm El-Sheikh PV Plant (5MW)
- Sohag Cement Plant 66/11KV GIS Substation
- East Al Qawmyia For Cement GIS Substation (66/22KV)
- Al Galala 220/22/22KV GIS Substation
- New Administrative Capital (S2 + S3) 220/22/22KV GIS Substation
- New 6th October 500/220/22KV GIS Substation

**Job title** : Civil Section Head  
**Job Description** : The work involves preparing and reviewing – and not limited to – the following:

- Assign and Follow-up tasks related to the Civil Engineering Design Department.
- Report to Engineering Manager for work status and evaluation of quality and technical evaluation of each team member.
- Follow up project time schedule and make continuous improvement and updates.
- Handle client/consultant issues and any related technical meetings.
- Ensure the team output (drawings/calculations) quality and reliability.
- Ensure that engineering details shown where needed for clarity or where dictated by project specifications.

**Dates** : From Jan. 2008 till Aug. 2016  
**Employer** : DAR Engineering – Design Office of Alfannar Co.  
**Projects** :

- 132/13.8KV S/S #8905 At Hail (Al-Masef)
- Construction of New Khashm Al-A'nn 380/132/13.8KV BSP (9017 S/S)
- Construction of Qassim-3, 380/132KV BSP (9029)
- Reinforcement of Central West Power Transfer Capability 380/132/33
- 380/132/13.8KV King Abdullah Financial Center BSP# 9020
- Construction of New 380KV Switching Station # 9005 (Hiteen)
- New 132/13.8KV S/S # 8701 - Alkharj Military Base
- Construction of S/S 8167 KAAMC for National Guard
- Construction of 132/13.8KV S/S # 8839 in Colleges Complex in Zulfi Area
- Construction of New 132/13.8KV S/S 8189 in Mawteen
- New 132/13.8KV S/S # 8105 & 8107
- New 132/13.8KV Substation # (8145-8146-8153)
- Construction of New 132/13.8KV S/S # 8715 in Al-Kharj
- Al-Fardous 380/230/115/13.8KV BSP Dammam Area
- 24bd 115/13.8KV Substation in Jubail Community Area
- Construction of Madinah Islamic University 380/110KV S/S
- Petro Rabigh 380/110KV S/S
- Rabigh – IPP-2 380/110KV S/S
- Al-Qassim-2 380/132KV Substation

- 13.8/33KV Shuqaiq Substation
- KAUST-2 Research Park – Thwaul Area
- Construction of 110/13.8KV Islamic University-2 S/S
- Construction of Makkah Water Treatment S/S
- New Khuzam 380/110/13.8 S/S
- Madinah Center 380/110/13.8KV S/S
- Construction of Madinah Industrial City S/S

- Job title** : Senior Civil Design Engineer
- Job Description** : The work involves preparing and reviewing - and not limited to - the following:
- The Architectural drawings for substation buildings. (Plans, Elevations, Sections and details).
  - The site grading plans, rain water drainage Layout for the Layout.
  - Structural analysis and design drawings for the substations buildings (380 GIS – 132/110 GIS and 13.8/33 Switchgear, Control Building).
  - Steel Structures (Crane Girders, SA and CSE and Sunshades) and its foundation.
  - Gantry Steel Structure and Lattice Structures and its foundations.
  - Foundation for Electrical Transformers (Auxiliary, Power Transformers and Firewalls).
  - Underground Cable Tunnels, Cable Duct Banks, Manholes and Water Tanks including traffic Loads.
  - GIB Foundations and Lighting/Lightning Poles Foundation.
  - Co-ordination between different disciplines (Mechanical, Electrical, Pre-Cast Vendors and Electrical Equipment Suppliers).
  - Review all the design team output including all the calculations, documents and drawings, and provide technical support for team members.
  - Prepare schedules for the required submittals and allocate resources for the all activities.
  - Give the required training and technical guidance for team members and other offices.
- Dates** : From Jul. 2007 till Jan. 2008
- Employer** : Al-Masriya Contracting Company
- Project** : Al-Fayroz Factory
- Job title** : Site Design Engineer
- Job Description** : The works involves supervising the site activities for both Cast-in-situ administration building and Steel hanger for the factory equipment. Supervising the steel assembly and welds at site.
- Dates** : From Jul. 2006 till Jul. 2007 (during last year of university)
- Employer** : Eng. Hany Khater Consultant Office
- Job title** : Trainee Engineer
- Job Description** : The work includes preparing of structural drawings and documents for different buildings as well as supervising the progress and quality of work at site.

**Engineering Skills:**

Good experience and knowledge of the following analysis and design of different structures according to the following:

- American Design Codes for Concrete Structure (ACI 318).
- American Design Codes for Environmental Structure (ACI 350).
- Various International Loading Codes (ASCE, UBC 97 & IBC, FEMA).
- Analysis and Design of Elevated Tank foundations according to American Petroleum Institution (API 650).
- Suitable knowledge of Steel Design according to AISC ASD, LRFD.