

**101550-ELE-D-E-2011**  
**Electrical Design & Supervision Engineer**

Holds a B. Sc. in Electrical Power Engineering and has about 6 years hands-on experience working as Design & Supervision Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 24/05/1987  
Gender : Male  
Marital Status : Married  
Residence : Currently UAE

## EDUCATION

: B. Sc. in Electrical Power Engineering, El-Shorouk Academy, 2011  
: Elkobba Secondary School

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: AutoCAD  
: Dialux  
: ETAP  
: Docwin  
: Ecodial

## TRAINING COURSES AND CERTIFICATIONS

: ICDL

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Sep. 2011 till now  
**Employer** : AAW Consulting Engineers - Dr. AHMED ABDEL-WARITH  
**Job title** : Electrical Design & Supervision Engineer  
**Job Description** :

- The Heart Of Europe (THOE) (UAE):
  - Project Description: The Heart of Europe is a cluster of six islands

on The World in Dubai. The Heart of Europe is based on destinations across Europe, spread over the islands of Germany, Monaco, Sweden, Switzerland, St. Petersburg and Main Europe. The islands span six million square feet and will be able to accommodate up to 15,000 people at any one time

- Scope of work in details:
  - Prepare the following items according to DEWA regulations:
    - Power master plan as per DEWA requirements showing is land based private power generator plant including all requirement for future DEWA supply Commission.
    - 11KV layout plans showing the cables rout.
    - 11KV ducts crossing layout plan.
    - Substations size and location layout plans as per DEWA requirements.
    - Single Line Diagram (SLD).
    - 11KV voltage drop calculations.
    - LV network layout plan.
    - LV ducts crossing layout plan.
    - LV design calculations and report.
    - Street lighting & Landscape lighting, lighting layout plan and network.
    - Load Flow analysis Cable sizing, short circuit, voltage drop calculations using ETAP software Program.
    - Lux calculation using Dialux Program.
    - Standard details drawings.
- Construction of Infrastructure for New Residential Area in Liwa (Oman):
  - Scope of work: All Electrical networks from 33/11KV substations to kilowatt hour meter of villas in the project.
  - Project area: 8 million m<sup>2</sup>.
  - Number of villas in project: 4000 villas.
  - Scope of work in details:
    - Design of all Electrical networks from 33/11KV substations to kilowatt hour meter of villas including:
      - Design of Medium voltage network.
      - Design of Main low voltage network.
      - Design of Sub main low voltage network.
      - Design of 33/11KV Substations single line diagrams.
      - Design of 11/0.415KV Substations single line diagrams.
      - Design of External lighting network (street & outdoor parking).
      - Transformers loading calculations.
      - Distribution pillars calculations.
      - Voltage drop, Short circuit & Cable sizing calculations.
      - Over current protection device sizing.
      - Dialux program calculations for external lighting (street, outdoor parking).
      - Bill of quantities for all electrical networks from 33/11KV substations to kilowatt hour meter of villas.
      - Electrical details & specifications for each component in network according to Saudi electrical company (OES) standards.
      - Coordination with other networks (water, sewage, etc.).
- Housing Project for central province (MOH) (Ministry of housing) (22 sites) (KSA):

Scope of work: All Electrical networks from 33/13.8KV substations to kilowatt hour meter of villas for 22 sites including:

- Quwaiya (area: 1,100,000 m2).
- Al-Gazzalah (area: 989,968 m2).
- Wadi El Dawaser (area: 914,736 m2).
- Al-Asyah (area: 686,090 m2).
- Afif (area: 550,000 m2).
- Al-Sulil (area: 500,196 m2).
- Houta Bin Tamim (area: 500,062 m2).
- Al-Muzneb (area: 500,000 m2).
- Al-Bekeria (area: 421,185 m2).
- Durma (area: 420,000 m2).
- Ouon Al-Jawa (area: 402,970 m2).
- Al-Sulimi (area: 250,000 m2).
- Al-Moquqe, Hail (area: 250,000 m2).
- Sameera, Hail (area: 249,968 m2).
- Al-Shamly, Hail (area: 249,968 m2).
- Ard Al-Ashgal (area: 224,533 m2).
- Al-Shamasyia (area: 219,880 m2).
- Al-Hareeq (area: 200,225 m2).
- Huraimlaa (area: 200,000 m2).
- Al-Ghatt (area: 199,873 m2).
- Ain Bin Fahid, Al-Asyah (area: 141,572 m2).
- Al-Khubaraa, Buraida (area: 99,000 m2).
- Khashim AL AAN Infrastructure Design and IFC Consultancy Services (SANG) (KSA):
  - Scope of work: All Electrical networks from 33/13.8KV substations to kilowatt hour meter of villas for all districts of the project.
  - Number of villas for each district are as the following:
    - District A: 1882 villas.
    - District B: 1216 villas.
    - District C: 1206 villas.
    - District D: 1010 villas.
    - District E: 460 villas.
- Sahl Hasheesh Resort, South of Hurghada City on the Red Sea Coast (Egypt):
  - Scope of work: All Electrical medium and low voltage networks.
  - Project area: 40 Million m2.
- Palm Hills development compounds 6th of October (Egypt):
  - Scope of work: All Electrical networks from nearest distributor to kilowatt hour meter of villas in the project.
  - Total area for each compound are as the following:
    - Golf extension: 1.3 Million m2.
    - Golf views: 2 Million m2.
    - Palm park: 357,000 m2.
- Grand Heights, 6th of October (Egypt):
  - Scope of work: All Electrical networks from nearest distributor to kilowatt hour meter of villas in the project.
  - Project area: 3.8 Million m2.
- APACHE HELICOPTER PROCUREMENT - KATTAMIA AIR BASE, EGYPT - U.S. ARMY CORPS OF ENGINEERS:
  - Scope of work: All Electrical networks from 33/11KV substations to main distribution board of 160 buildings in the project.