

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 15 years experience in the detail design of different types of power generation stations and 1 year of experience in the detail design of water desalination stations.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/09/1980  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2004  
: Salah Salem Secondary School – Helwan

## LANGUAGES

Arabic : Native Language  
English : Very Good  
French : Fair

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Visual Basic 6 – Microstation (2D and 3D) – Smart Plant (3D) – Smart Plant Electrical (SPEL) – AVEVA E3D (PDMS) – Setroute – Block draw – ETAP – Multiground+ program for power plants Grounding calculation

## TRAINING COURSES AND CERTIFICATIONS

: Six Sigma courses:

- Six sigma for competitive advantage.
- Six sigma components.
- Six sigma roles and Phases.
- Six Sigma from 50,000 ft.
- Six Sigma Literally Speaking.

: Bechtel basic electrical design concepts.  
: Contract Formation.  
: Contract Management.  
: Negotiations Skills.

- : Intergraph Electrical Smart Plant 3D Modeling & Reference Data.
- : Intergraph Smart Plant Electrical Basic User.
- : Intergraph Report customization.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2018 till now  
**Employer** : [EGYPTROL](http://www.egyptrol.com)  
**Projects** :

- UNATRAC - Dangote Oil Refinery Company 14.5MW Gensets PP - Nigeria
- MANTRAC - Alexandria East Wastewater Treatment Plant (EWTP) 10MW Gensets
- DP WORLD Sokhna phase II pre-tender
- GE - Tobrouk - Libya 400KV SS Project

**Job title** : Electrical Engineering Department Manager

**Dates** : From Jul. 2017 till Jul. 2018  
**Employer** : Alghanim International General Trading & Contracting Co. (AGI)  
**Project** : Sabiya Stage-3 Combined Cycle Power Plant (MEW54) 750MW, Kuwait  
**Job title** : Lead Electrical Design Engineer

**Dates** : From Aug. 2005 till Jul. 2017  
**Employer** : Power Generation Engineering and Services Company (PGESCO)  
**Projects** :

- Combined Cycle Power Projects:
  - Nubaria I & II Combined Cycle Power Plant 1500MW
  - Nubaria III Combined Cycle Power Plant 750MW
  - Banha Combined Cycle Power Plant 750MW
  - Burullus Combined Cycle Power Plant 4800MW
  - New Capital Combined Cycle Power Plant 4800MW
- Thermal Power Projects:
  - Abu Qir Thermal Power Plant 1300MW
- Simple Cycle Power Projects (EPC Projects):
  - 6th October Simple Cycle Power Plant 600MW
  - Iraq Baiji Gas Power Plant 1000MW
  - New Assiut Simple Cycle power Plant 1000MW
  - West Damietta Simple Cycle Power Plant 500MW

**Job title** : Electrical Engineering Supervisor

**Dates** : From Jan. 2008 till Dec. 2008 (Overseas job mission)  
**Employer** : Bechtel Power Corporation, Frederick Office, USA  
**Project** : Prairie State Energy Campus Pulverized Coal Power Plant 1600MW  
**Job title** : Electrical Engineer III

**Dates** : From Sep. 2004 till Aug. 2005  
**Employer** : Water Technologies & Contracting Company (WATCO)  
**Projects** : Sharm El-Sheikh and Hurghada water desalination stations

**Job title** : Electrical Project Engineer

- Field of experience** :
- **ESSENTIAL JOB DUTIES:**
    - Plan, schedule, conduct and coordinate detailed phases of engineering work. Perform work using Standard Application Programs and appropriate 2-D and 3-D computer aided design and computer aided engineering (CAD and CAE) tools.
    - Prepare equipment or work specifications, bid evaluations and award recommendations for equipment.
    - Coordinate engineering efforts in assigned areas between specialty and other engineering groups or disciplines, with the client, suppliers, and contractors and between other groups.
    - Lead technical role over other engineers or project subgroups.
    - Assist in on-the-job-training of assigned personnel and provides input for their performance evaluations.
    - Prepare letters to vendors and clients.
    - Review bid analyses and make recommendation.
    - Prepare or assist in preparation of conceptual studies, designs, reports or proposals.
    - Perform or assist in the performance of problem analysis and original design.
    - Prepare and/or assist in the preparation of cost estimates, quantity take-offs and staffing requirements for proposals, forecasts and change orders.
    - Review and check work of subordinate engineers.
  - **DETAILED JOB DUTIES:**
    - Physical Design including (Cable trays, conduits and duct banks design - Cable routing - Equipment arrangements - Earthing and lightning protection design - Cathodic protection design - Hazard area classification - Lighting design).
    - Design calculations including (Electrical equipment sizing calculations - Cable sizing and selection - Grounding network calculations - Power system calculations).
    - Cable quantities calculations (Raceway fill calculation - Raceway quantities and weight calculations).
    - Tendering and contracts (Preparation of technical specifications, tender documents and evaluation of bidders).
    - Single and three line diagrams.
    - Electrical control system including (Schematic diagrams - Cable termination).
    - Design Review.