

Holds a B. Sc. and a Diploma in Electrical Power & Machines Engineering and a Diploma in Projects and International Contracts. Has over 14 years hands-on experience in designing, supervising and developing LV to HV systems.

## **PERSONAL DATA**

Nationality : Egyptian  
Gender : Male  
Residence : Alexandria

## **EDUCATION**

- : B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2005
- : Diploma in Electrical Power & Machines Engineering, Alexandria University, 2011
- : Professional Program in International and Construction Contract Administration (PACT), American University in Cairo – Engineering and Science Services (ESS), 2015
- : Studying for M. Sc. in Protection Engineering (Adaptive Protective Relay), Alexandria University

## **LANGUAGES**

Arabic : Native Language  
English : Excellent  
French : Basics  
German : Basics

## **COMPUTER SKILLS**

- : Windows, MS Office, Internet
- : AUTOCAD, ETAP, MATLAB, ECODIAL, DAILUX, DAILUX Evo, POWEREX

## **TRAINING COURSES AND CERTIFICATIONS**

- : Inspection of motors and transformers in WEG Equipment's Electrics S.A. Factories at Joinville - Santa Catarina - Brazil (Jan. 2013).
- : Summer training at Alexandria Electricity Company to Transformer and Distributed (2004).
- : Courses in SCADA, PLC & Automatic Control at Schneider Electric Company in Alexandria (Sep. 2011).
- : Course in Professional Formulation of International Contracts (PACT020).
- : Course in Practical Administration of Construction Contracts (PACT030).

- : Course in Primavera Contract Management (PACT040).
- : Course in The Procurement Management (PRMG055).
- : Course in Projects Bids and Contract (PRMG080).
- : Course in Effective Contracts Management (PRMG085).
- : English: IELTS.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2019 till now
- Employer** : Engineering Consultants Group S.A. (ECG)  
(Dept. of Projects Management PM / Construction Management Sector CM)
- Job titles** :
  - Head Section of Electrical Technical Office
  - Team Leader of Electrical Technical Office
  - Senior Electrical Technical Office Engineer
- Job Description** :
  - Leading a team of electrical technical office engineers and Inspectors, Coordinating between the priority of tasks which should be done first and Finishing all tasks with best performance.
  - Reviewing engineering plans, designs, shop-drawings progress sheets and invoices for projects like (Tourist villages and Cities with all services, Towers, Hospitals, Residential Buildings and ...etc.).
  - Supervising on various projects.
  - Writing detailing reports on current systems and changes to each site.
  - Maintaining relationships with employers, project manager and contractors.

- Dates** : From Aug. 2018 till May 2019
- Employer** : EHAF Consulting Engineers (EHAF)  
(Dept. of Projects Management PM / Construction Management Sector CM)
- Job titles** :
  - Team Leader of Electrical Technical Office
  - Senior Electrical Engineer
- Job Description** :
  - Leading a team of electrical engineers (Inspectors), Coordinating between the priority of tasks which should be done first and Finishing all tasks with best performance.
  - Reviewing engineering plans, designs, shop-drawings progress sheets and invoices for projects like (Tourist villages with all services, Administration Buildings, Water desalination Plants, Hospitals, Residential Buildings and ...etc.).
  - Supervising on various projects.
  - Writing detailing reports on current systems and changes to each site.
  - Maintaining relationships with employers (EMAAR), project manager (Turner international middle east "TIME") and contractors.

- Dates** : From Jan. 2017 till Jul. 2018
- Employer** : United Group for Consulting Engineering (UGCE)
- Job title** : Electromechanical Department Manager  
(Department of Electrical and Mechanical Designs and Technical Support)
- Job Description** :
  - Leading a team of electrical and mechanical engineers, Coordinating between the priority of tasks which should be done first and Finishing all

tasks with best performance.

- Estimating and Pricing various electrical and mechanical works for projects and Prepare the Budget for projects according the current prices in the national market.
- Designing and Reviewing engineering plans, designs and shop-drawings for projects like (Tourist villages with all services, Administration Buildings, Water desalination Plants, Hospitals, Residential Buildings and ...etc.).
- Supervising on various projects.
- Writing detailing reports on current systems and changes to each site.
- Maintaining relationships with employers and contractors.
- Achievements: Establishing the Electro-Mechanical Department in UGCE Company with small professional teams able to compete in national markets at shot time.

<b>Dates</b>	:	From Jan. 2010 till Jan. 2017 From Oct. 2005 till Apr. 2008
<b>Employer</b>	:	Alexandria Water Treatment Company (AWCO)
<b>Job titles</b>	:	Junior Electrical Design Engineer, Tender / Procurement Engineer & Senior Electrical Design Engineer (Department of Electrical Designs and Technical Support)
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• Design huge projects like (Water Treatment Plant with capacity one million cubic meter per day and set of Solar Energy Plants with total capacity Twelve Megawatt).</li><li>• Prepare and Review engineering plans, designs and drawings for projects Like (Water Treatment Plant, Solar PV Plant, Hospitals, Administration Buildings, Residential Buildings and projects related with water's sector).</li><li>• Design and Prepare all requirement for projects (Bedding Documents, Technical Specification &amp; Conditions, Evaluations bidders, Tests &amp; Inspections.....etc.).</li><li>• Reviewing all The Technical Documents (Bidding/ Tendering Doc., Drawings "Designs, SLD, Wiring Diagrams...etc.").</li><li>• Estimating and Pricing various electrical works for projects and Prepare the Budget for projects.</li><li>• Execute various projects like (Water Treatment Plants, Solar PV Plants, Hospitals, Administration Buildings, Residential Buildings and projects related with water's sector), ensuring compliance with safety requirements International and Egyptian standards.</li><li>• Identify and Propose improvements to existing electrical systems.</li><li>• Estimate cash flow projections for projects.</li><li>• Troubleshoot on electrical systems/equipment.</li><li>• Write reports detailing current systems and changes to each site.</li><li>• Maintain relationships with crews and contractors.</li><li>• Achievements:<ul style="list-style-type: none"><li>- The Economic Study of Variables of the Electrical Network for Alexandria Water Treatment Company and Calculate the Penalties and Bonuses which Applied on the Company, Restore the Bonuses of Power Factor Improvement which is Estimated around 500000.00 LE (Five Hundred Thousand Egyptian Pounds) about 10 years ago for the Company.</li></ul></li></ul>

- Adequate Technical Studies of the Problems of the Electric Grid for Alexandria Water Treatment Company Stations, the Optimal Solution Methods, the Economic Feasibility of the Solutions and the Addition of New Solutions of Grid such as: Solar Energy and Changing the methods of operating systems for motors, which cause reducing energy and re-backing money to the company every year around 1000000.00 LE (one million Egyptian Pounds) for each station which operates by using optimal and effective system.
- Establishment Solar Power Plants operate by On Grid PV system for various capacities from 10 KW, 50 KW.....to 500 KW with capital cost from 60000.00 to 20000000.00 LE and annual profit around 80000.00 LE (Eighty thousand Egyptian Pounds).
- Working with Qualified Team from Holding Company for Water and Waste Water (HCWW) to evaluate the whole execution works in Tamia Water Treatment Plant and Gerza Intake at Faiyum Governorate. Submit report for Technical Status and Optimum Solutions for problems in Plant and Intake which cause re-backing money to The Holding Company for Water and Waste water company (HCWW) around 100000000.00 LE (One hundred million Egyptian Pounds) from The Arab Contractors Company for construction (Osman Ahmed Osman & Co).
- Raise the Technical Competence of the Company's Employees (Engineers and Technicians) for Alexandria Water Treatment Company by giving Specialized Lectures for Engineers and Technicians, and trained in the New Ideas in the Methods of Operation to keep Pace with Development.

**Dates** : From Jul. 2008 till Dec. 2009

**Employer** : Egyptian Engineering Agencies (EEA) Company  
 This company worked and agency in many international trademarks machines which are used at three sectors: Automotive sector, Heavy / CNC machines & tools sector and Woodworking sector), for example for these trademarks (TOKHEIM, SHAMAL, John Bean, CEMB, SPACE, TEXAS, SCM and etc.....).

**Job title** : Maintenance Electrical Engineer

**Job Description** :

- In Automotive Sector: Installed & Maintained for:
  - Air Line Equipment (SHAMAL and SULLAIR compressors).
  - CAR WASH Machine Automatic Washing System (CECCATO).
  - Workshop Equipment (Spray Booth, Lifts and Tyre workshop equipment (Wheel Alignment / Balancer Machines)) for CEMB, John Bean and other trademarks.
  - Fuel Station Equipment (TOKHEIM pumps).
- In Woodworking Sector: Installed & Maintained for: Woodworking machine (SCM Group.....etc.).
- In Heavy/CNC Machines and tools Sector: Installed & Maintained for: Flat and Slant Bed Lathes.....etc.
- Achievements:
  - Finishing and completion of Egyptian Automotive Company Project at El-Wasla Om Zghyo Road, Kilo 21, Alexandria.
  - The completion of the installation and delivery on Woodworking

equipment for "El-Kefaya El-Entagya School" for technical education. Education and training for a group from trainers on the use of all equipment.

**Further experiences :** Part Time & Freelancer:

- Senior Electrical Engineer & Contracts Engineer as Part Time, Department of Electrical Designs and Technical Support in:
  - Engineering Top Services (ETS) (from Aug. 2017).
  - United Group for Consulting Engineering (UGCE) (from Jan. 2016).
    - ❖ Leading a team of electrical engineers and coordination between the priority of tasks which should be done first.
    - ❖ Design and Review engineering plans, designs and drawings for projects like (Tourist villages with all services, Administration Buildings, Water desalination Plants, Hospitals, Residential Buildings and ...etc.).
    - ❖ Supervisor various projects.
    - ❖ Write reports detailing current systems and changes to each site.
    - ❖ Maintain relationships with employers and contractors.
- Designer Engineer as Freelancer Engineer (Egypt, Qatar and KSA): Hospitals, Administration Buildings, Malls, Tourist villages and Factories: Design Complete systems (Lighting, Power, light current (Nursing sys., Fire Alarm sys.,....etc.), earthing, Emergency, UPS, .....etc.).

**Projects:**

- Tourist Villages, Residential Cities & Towers:
  - Government Office, New Al Alamein City "Owner" & Engineering Consultants Group (ECG) "Consultant" (OLD CITY, LATIN CITY, ARAB ACADEMY for Since & Maritime Transport, Entertainment Area, and Beach Towers).
  - EMAAR "Owner" & Turner International Middle East (TiME) "Project Management" & Ehaf Consulting Engineers (EHAF) (Marassi Projects).
  - Marceillia Group Company "Owner" & United Group for Consulting Engineering Co. (UGCE) "Consultant" (Beach 1 village (Bouquet), Beach 4 village, Land village, BLUEBAY village).
- Industrial (Oil & Gas Sector) & (Water Sector) (at Alexandria Water Co. & United Group for Consulting Engineering Co.): Water Treatment Plant, Water Desalination Plant, Substation Power Plant, Water Booster Plant, Fruit & Vegetable Stock Exchange Bader Station & Solar Energy Generation Station.
- Administration Buildings (at Alexandria Water Co. & United Group for Consulting Engineering Co.): El-Kabary Administration Building, ETHYDCO Head Office Building, EMETHANEX Head Office Building & New Damietta Station Administration Building.
- Hospitals, Hotels & Malls (as a Freelancer & at United Group for Consulting Engineering Co. & at EHAF Consulting Engineers Co.): El-Bourg El-Arab Hospital, Marciellia Elite Hospital, Marceillia Beach 4 Hotel, Marassi El-Alameen Hotel, El-Luxor Hotel & Marceillia Beach 4 Mall.
- Transportation Station (at United Group for Consulting Engineering Co.): New Damietta Station & Misr Travel Station.

- Other Various Projects (as a Freelancer & at United Group for Consulting Engineering Co.): Social and Sports Clubs (Lawyer Club & El-Bourg El-Arab Club) & Educational Universities (Damanhur University & Alexandria University) & Commercial Shops & Stores.