

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 13 years hands-on experience working in design field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 03/04/1984  
Gender : Female  
Marital Status : Married

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, 2006  
: Currently making Master studies in Cairo University

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: ICDL course.  
: MATLAB course.  
: AUTOCAD 2007  
: VISUAL BASIC  
: English "General Conversation course".  
: Training at Cairo Oil Refining Co. (summer 2004):

- Working of special machines.
- Maintenance of induction machines.
- How can we generate electricity for the field.
- How can we make protection for any instrument.
- Making control using P.L.C programs.
- Learning how the power plants produce waste heat energy as a byproduct of the useful electrical energy produced using the amount of waste heat energy equals or exceeds the amount of energy converted into useful electricity.

- : Training at Shoubra El-Kheima Power Plant (summer 2005) in Power Plant Equipment:
  - Boiler.
  - Turbines.
  - Generators.
  - Plant Instrument Control System.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2006 till now
- Employer** : EL NASR transformers and electrical components (ELMACO)
- Job title** : Senior Electrical Power Transformer Designer Engineer
- Job Description** :
- Training in distribution transformers (design & manufacturing).
  - Design of power transformers up to (25 MVA - 66KV) (Winding - insulation - fitting) with any connection group using France Transfo (F.T) technology.
  - Design of special transformer (Earthing transformer & transformers with tertiary winding & ..... ) (Winding - insulation - fitting) with any connection group using France Transfo (F.T) technology.
  - Design of power transformers up to (40MVA - 66KV) (Winding - insulation - fitting) with any connection group using Italian technology.
  - Follow each step of manufacturing since it wrote in the plane until it I take the final test results then I make comparing between these results and my design and if there were any difference. I make study about it to where is the mistake to avoid it in other transformers.
  - Preparing the complete technical offers for tenders of Power transformers for substations (EETC & REA) and external clients according to customer's specifications.
  - Study and analysis the specification of materials which used in transformer production such as: (Copper conductors - Continuous Transposed conductor "C.T.C" - silicon steel - insulating materials) and control devices for pressure and temperature - on load tap changer (ABB type & MR type "VV or V") - control cabinet for protection instruments and cooling fans (ONAF operation).
  - Design programs which make transformer design faster, more accurate and choose the most property design.
- Further experiences** : Private job in construction work:
- Making site visits to stations, sub-stations and factories to make study for renewing and replacing for distribution and power transformers.
  - Making descriptions for new transformers for customers.
  - Follow electric work in building sites.
  - Planning the distribution system in buildings (Lighting, Normal sockets, Power sockets).
  - Making ground system in building constructions.