

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 11 years of experience in transformers field.

PERSONAL DATA

Nationality : Egyptian
Gender : Male

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2008

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

: PLC from Jelecom Center.
: AutoCAD 2D from Cairo University.
: Electrical Distribution from Schneider Electric.
: Crash Diploma in supply chain management from TASK.
: Training on ON Load Tape Changer (OLTC), ABB Company Sweden (two weeks).
: Assembling dry transformer with Tem from Sunten Company from China in ELMACO TRANSFORMER in BADR City for one week.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2009 till now
Employer : El-Nasr Company for Transformers & Electrical Products (ELMACO) manufacture of transformer
Job Description :

- Factory Deputy Manager (from Sep. 2019 till now).
- Also worked Design power transformer 5 years design rated and also Testing Engineer from (2.5 up to 40 MVA) and rated voltage from (3.3 up to 66KV).

- Also worked as Sales Engineer for oil (Distribution transformer & power transformer) and dry type transformer for 3 years.
- Deputy Director of the factory engineer increase productivity up to 150% / month.
- Design Engineer makes some new Designs like earthing transformer 22KV /2300 A 50 HZ connection ZN. And 12 / 15 MVA 15 (+2&-4x2.5 %) / 6.8KV Dyn11 50 HZ. Also 10 MVA 33(±2x2.5%) / 11.6KV 50 HZ Dyn11. 5 MVA 33(±2X2.5%) / 15KV to (Eritria).
- Sales Engineer increase sales up to 125% to private sector.
- Production Engineer:
 - Plan and coordinate production engineering processes on daily basis to produce high quality products.
 - Develop process improvements to effectively utilize equipment and materials to maximize production.
 - Develop best practices to improve production capacity, quality and reliability.
- Design Engineer:

Prepare all different electrical designs for Power transformer (2.5MVA to 40MVA) such as:

 - All calculation required for electrical designs procedures for winding with suitable conductors to get high efficiency for transformer (Optimum Design).
 - Design low voltage and high voltage windings.
 - Determining the connections for low and high voltage windings to the bushings and tap changer to get the vector group according to client and network requirements.
- Project Implemented:
 - 40 M.V.A Rated voltage $66 \pm 8 \times 1.25 / 11.86 \text{ KV}$ & $66 \pm 8 \times 1.25 / 23.5\text{KV}$ with vector group Dyn11 50 HZ ONAN / ONAF.
 - 25 MVA rated voltage 66 / 23.5KV 50 HZ Dyn11.
 - 16 / 20 MVA rated voltage 11 (+4 & -4) x2.5% / 23.5KV 50 HZ Ynd11.
 - 15 MVA rated voltage 11 (+2 & -6) x2.5% / 6.8KV 50 HZ Dyn11.
 - 15 MVA rated voltage 11 (+2 & -6) x2.5% / 23.5KV 50 HZ Ynd11.
 - 10 MVA rated voltage 11 (+2 & -6) x2.5% / 23.5KV 50 HZ Ynd11.
 - 10 MVA rated voltage 33(+2 & -2) x2.5% / 11.6KV 50 HZ Dyn11.
 - 6.3 MVA rated voltage 3.3 (+2 & -2) x2.5% / 22KV 50 HZ Ynd11.
 - 5 MVA rated voltage 21(+3 & -3) x2.5% / 10.5KV 50 HZ Dd0.
 - 4 MVA rated voltage 11(+2 & -4) x2.5% / 6.9KV 50 HZ Dyn11.
- For earthing transformer:
 - 354 (N.O) / 3810 KVA at S.C rated voltage 33KV rated short circuit current 200 A for 30 second zigzag connection for (ABB) Company.
 - 823 (N.O) / 8256 KVA at S.C rated voltage 22KV rated short circuit current 650 A for 30 second zigzag connection for (Madkour).
 - 706 (N.O) / 6351 KVA at S.C rated voltage 11KV rated short circuit current 1000 A for 30 second zigzag connection for (XD Egemac).
- Quality Control at a partition of power transformer rating from 2.5 MVA up to 40 MVA (from 1/5/2017 until 1/6/2019) - Involved the following activities:
 - Getting approval from QC manager for order fixing form to start the manufacturing process.
 - Request the quality control procedure and test report from QA

department.

- The electrical tests for transformer are such as:
 - ❖ Routine tests:
 - Measurement of turns ratio and vector group.
 - Separate source voltage withstand test.
 - Induced over voltage withstand test.
 - Measurement of no-load losses and current.
 - Measurement of impedance voltage and load losses.
 - Measurement of winding resistance.
 - ❖ Type tests:
 - Temperature rise test according to IEC-60076.
 - Lightning impulse according to IEC-60076.
- Sales Engineer (from May 2009 till May 2012):
 - Quotation Offers & Tenders analysis for Oil immersed Distribution & Power ratings up to 40 MVA & Dry transformers.
 - Estimation client quotations.
 - Negotiating tender and contract terms.
 - Reviewing the Project technical specifications & customer to meet satisfaction.
 - Communicate with other departments Design, Planning & Production to get the proper contracting conditions.
- BUSINESS DEVELOPMENT: Discussed with European companies like (TMC & SGB) to establish a new business for manufacturing transformer and the way of transfer their related know how.