

Holds B. Sc., M. Sc. and PhD in Electrical Power & Machines Engineering and has about 12 years experience working in construction, design, maintenance, QC, testing, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/12/1988
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

- : B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2010
- : M. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2016
- : PhD in Electrical Power & Machines Engineering, Ain Shams University, 2021
- : Tabary El-Hegaz Secondary School, 2005

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Schneider Electric Factory, Cikarang - Indonesia (2022).
- : Online Workshop on Plasma Science and Application – University of Cyprus (2021).
- : COMSOL Multiphysics (2020).
- : El-Zafarana Power Plant, El-Ain Sokhna (2018).
- : Schneider Electric TECHNOPOLE, Grenoble - France (2018).
- : Internal Auditing for Quality Management Systems (2012).
- : PLC (Jul. 2010).
- : PIC (microcontroller) (Mar. 2010).
- : Aswan High Dam Hydro Power Plant (2010).

- : AutoCAD 2D (Nov. 2009).
- : Summer training at Schneider Electric (Jul. 2009).
- : Summer training at EL-MACO (El-Nasr Transformers and Electrical Products Co. (Aug. 2007).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2018 till now
- Employer** : GILA Electric
- Job Description** :
- From Mar. 2021 till now:
 - Production Manager for Low and Medium Voltage Switchgear Assembly Workshop:
 - Develop and implement manufacturing schedules and allocate capital resources to maximize productivity and minimize cost.
 - Analyze production, maintenance and malfunctions records to identify problems and recommend proper solutions.
 - Review layout and worksheets, wiring diagrams, and bills of material for the issued production files.
 - Manage and assist supervisors in allocating, coordinating and overseeing shift orders and work plan execution within the production hall during the day.
 - Manage the delivery and receipt of purchase orders and resolve all associated quality, quantity, and accounting issues.
 - Provide regular feedback and makes recommendations to management regarding issues within the production hall, including production line organization, shifting priorities, and possible critical situations.
 - Lead, instruct, train, evaluate, motivate and otherwise assist a team of supervisors so that production and quality objectives are achieved.
 - From Jan. 2018 till Feb. 2021:
 - Medium Voltage Engineer at RMU Assembly Factory:
 - Submit shop drawings for approval and comply with customer comments and queries.
 - Issuance of BOM, SLD and control drawings for RMU.
 - Manage the necessary routine tests on the assembled RMUs.
 - Investigation and analysis of how existing projects or components can be improved.
 - Summarize the scientific and engineering principles easily and simply.
 - Summarize technical results and provide technical reports.
 - Participate in developing manufacturing processes by studying production requirements.
 - Review to ensure product quality, design fit and final product testing.
 - Facilities Maintenance Department:
 - Design maintenance strategies and organize periodic procedures.
 - Perform regular maintenance and respond to equipment faults.
 - Ensure that the equipment is working properly and review new parts.
 - Doing the necessary expansions to increase the factory's production capacity.

- Achievements:
 - Managing the knowledge transfer from SE to manufacture the MVSW primary distributors.
 - Design, Manufacture, Testing and Commissioning of Automatic Source Transfer RMU for Amazon Building, 22KV, 1.6 MVA.
 - Manage the Equipping of a new production hall with all requirements (compressed air pipelines, fire alarm system, lighting, and power source outlets).
 - Responsible for the transfer file of the QR code implementation project.
 - Responsible for the technical transfer file and implementation of MV switchgear manufacturing project.

Dates : From Jul. 2017 till Dec. 2017

Employer : Elsewedy Transformers - a subsidiary of Elsewedy Electric

Job title : Senior Production Engineer at Oil Immersed Distribution Transformers Factory

Job Description :

- Participate in developing manufacturing processes by studying production requirements.
- Research, analysis and testing of manufacturing methods and equipment, and cooperation with the sales department.
- Review to ensure product quality, design fit, and final product testing.
- Periodically review production schedules and present future needs.
- Supervising project development and training and directing technicians.
- Achievements:
 - Participating in increasing the Dry-type Transformer Production capability by 30%.
 - Participating in increasing the Distribution oil-immersed type Transformer Production capability by 40%.

Dates : From Jan. 2014 till Jun. 2017

Employer : El-Nasr Transformers and Electrical Products Company (EL-MACO)

Job title : Production Engineer at Power Transformers Production Factory

Job Description :

- Participate in developing manufacturing processes by studying production requirements.
- Research, analyze and testing of manufacturing methods and equipment, and cooperate with the sales department.
- Review to ensure product quality, design fit, and final product testing.
- Periodically review production schedules and present future needs.
- Supervising project development and training and directing technicians.
- Achievements:
 - Participating in the Testing and commissioning of the new factory Badr city assets.
 - Participating in the installation of Power Transformer Vacuum Drying Chamber from Hering AG Germany.
 - Participating in the installing, testing and commissioning of Power Transformer Test Field from HIGH VOLT Germany.

Dates : From Jul. 2012 till Dec. 2013

Employer : GILA Electric

- Job Description** :
- From Sep. 2013 till Dec. 2013:
Electrical Design Engineer for Low Voltage Switchgear:
 - Communicate with branches to determine the requirements and needs.
 - Investigation and analysis of how existing projects or components can be improved.
 - Submit shop drawings for approval and comply with customer comments and queries.
 - Issuance BOM, SLD, and control drawings.
 - From Jul. 2012 till Aug. 2013:
Quality Control Department Head:
 - Develop plans and methods for testing products to ensure their quality.
 - Investigate problems and errors in products and find out the reasons and try to find solutions.
 - Send reports of all problems encountered by-products to the department manager.
 - Preparing recommendations for the required training programs for the workers who reduce the quality of the product.
 - Prepare suggestions that will raise product quality levels.

Dates : From Nov. 2010 till Jun. 2012

Employer : EI-Nasr Transformers and Electrical Products Company (EL-MACO)

Job title : Resident Engineer at The New Factory Site at Badr City

- Job Description** :
- Operation and Maintenance of factory MV/LV/Transformer substations.
 - Production Halls equipping with compressed air and oil lines.
 - Installing newly arrived Power Transformer Vacuum Camper.
 - Installing newly arrived Power Transformer Testing field.
 - Supervising the testing and commissioning of new factory facilities including:
 - MV switchgear (Main, Sub Distributors, and RMU), Distribution Oil Immersed Transformers.
 - LV Switchgear (Main Power and MCC).
 - HVAC, Firefighting, Fire alarm Systems.
 - MV and LV Cables Network.
 - Services and Administration Buildings.

Publications:

- Walid S. Salah, Ahmed H. Gad, Mahmoud A. Attia, Soliman M. Eldebeiky, Abdelhady R. Salama, "Design of a compact ultra-high frequency antenna for partial discharge detection in oil-immersed power transformers," Ain Shams Engineering Journal, Volume 13, Issue 2, 2022, 101568, ISSN 2090-4479.
- W. Sameh, A. H. Gad, and S. M. Eldebeiky, "An Intelligent Classifier of Electrical Discharges in Oil Immersed Power Transformers," 2019 21st International Middle East Power Systems Conference (MEPCON), Cairo, Egypt, 2019, pp. 866-871.
- Almoataz Y. Abdelaziz, Mohammed Ezzat, W. Sameh, 'Improved Hybrid Islanding Detection Technique for Grid-Connected PV Distributed Generators', Electrical Engineering Research (EER), Volume 4, 2016.
- Abdelaziz, Almoataz Y., Mohmmmed Ezzat, W. Sameh, R. K. Saket,

and KS Anand Kumar. "An Integrated Passive Islanding Detection Method for Grid-Connected PV Distributed Generators." In Power Electronics and Renewable Energy Systems, pp. 131-144. Springer, New Delhi, 2015.

- A. Y. Abdelaziz, Mohamed Ezzat, W. Sameh, Sanjoy Kumar and B. Bhattacharyya, 'Passive and Active Methods of Islanding Detection for Grid-Connected PV Distributed Generators', Proceedings of the International Conference on Power, Circuit and Information Technologies (ICPCIT-2015), Raja Rajeswari College of Engineering, Bangalore, India, 27-28 April 2015.
- A. Y. Abdelaziz, Sanjoy Kumar, B. Bhattacharyya, Mohamed Ezzat and W. Sameh, 'Passive and Active Methods of Islanding Detection for Grid-Connected PV Distributed Generators', International Journal of Applied Engineering Research, Vol. 10, No. 44, June 2015, pp. 31450-31455.

- Field of experience :**
- Production Manager with a demonstrated history of working in the Low and Medium-voltage switchgear as well as Oil-immersed transformer (Power, Distribution) manufacturing industries.
 - Skilled in AutoCAD, Electrical Troubleshooting, Transformers, Protection relays settings, Comsol Multiphysics and MATLAB Software.
 - Skills:
 - Facility and systems operation.
 - Forecasting and budgeting.
 - Production data analysis.