

Holds a B. Sc. in Mechanical Power Engineering and has about 22 years of professional experience, including 19 years in the field of power transmission line with EETC as a Maintenance and Projects Engineer, Administrator and Senior Engineer in West Delta OHTL maintenance & projects sectors of 220, 66 and 500KV networks (all works of operation & protection, installation and construction, site supervision and consultancy of OHTL and 3 years of experience in the field of HV equipment and car maintenance in Road paving and structure project.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/05/1964
Marital Status : Married

EDUCATION

: Diploma of Industrial Institute - cars and equipments department, Alexandria University, 1984
: B. Sc. in Mechanical Power Engineering, Menoufia University, 1990

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Database program

TRAINING COURSES AND CERTIFICATIONS

: Conversation in English at the Financial & Administrative Center.
: Grounding (earthing systems) of buildings and establishments at Egyptian Society of Engineers.
: Program design (PD) course at Network Training Center.
: Introduction of computer "Dos, Windows and Database program" course at Electricity & Mechanics Power Center, Abu Qir, Alex, and Engineering Syndicate.
: Training program design course at Network Training Center, South Cairo.
: AutoCad R12 at Engineering Syndicate.
: Maintenance and driving course of H.D. equipment.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2002 till now
- Employer** : Egyptian Electricity Transmission Company (EETC)
- Project** : Over head transmission lines & cables projects sector - East Delta Zone
- Job title** : OHTL Senior Engineer
- Job Description** :
- Worked in a networks under several voltage 500, 220, 110, 66, 33KV as the following fields:
 - New structures projects field:
 - Analysis, study and design of the transmission lines beginning of the districts loads analysis and field survey to the energizing with all requirements of Electrical and Technical studies.
 - 2 OHTLs 500KV with 284 km length.
 - 7 OHTLs 220KV with 215 km length.
 - 10 OHTLs 500KV with 460 km length.
 - 500KV Tying line between Nubaria Power Station (2x750MW Combined Cycle) and Cairo 500 substation (by single circle line/ triple conductors 490/65 mm² ACSR conductor) constructed by consortium Fujikura LTD. and Sumitomo Corporation "Japan", 2004-2006.
 - 500KV Tying line between Abu Qir Power Station / Kafr Elzayat / Bassos substation 500/220/66KV (by double circle line / triple conductors 490/65 mm² ACSR & 605 mm² AAAC conductor) constructed by consortium KEC LTD. "Indian", 2009-2011.
 - 220KV Tying lines between Nubaria Power Station and El Bostan, Menouf, Tanta and Egyptian American for special steel (EAS) substations 220/66/11KV (by 3 T.L double circle double conductor 380/50 mm² and a double circle line single conductor 380/50 mm²), 2000-2006.
 - 220KV Tying lines between El-Atf Power Station and Kafr Alziat, Almahmodia, Sidysalem substations 220/66/11KV (by 3 T.L double circle double conductor 380/50 mm²), 2006-2008.
 - 66KV Tying lines between Etay Albarod / Shobrakat, Shobrakat / Alrahmania, Etay Albarod / Komhamada, Komhamada / Eltahrir Bader, Eltahrir Bader / Altahadi, Eltahrir Bader / Almagd, Almagd / Alentelak and Wadyalnatron / Anatron Industrial / Abostan / Al-Sadat substations, 2000-2010.
 - Redistribution loads & Network improvement:
 - Studying, analysis and enforcement of all requirements to improve the network performance and redistribution of loads by changed the joining between substations by transfer and modify of lines, replacement and renewal and open lines for entry to the new stations to support the network and re-distribution of loads with suitable protection which had been built on the calculations of a switching over voltage and pollution withstand and electrical withstand.

- Power improvement and support for Abolmatamer (tenth district) by a new 2x25MW power station with modify 2 OHTL 220KV Abolmatamer / El Bostan and Abolmatamer / Alamria and 5 OHTL 66KV Abolmatamer / Banger ahsoker, El Bostan, Elsawra, Alnaser and Enter agro.
- Power improvement and support for 5 stations of irrigation feeding rise in El Bostan area - Alnobaria district (El Bostan 1, 2, 3, 4 & 5) by 10MW mobile power stations of each one feeding from El Bostan / Wadyalnatron 66KV substations, with modifies the feeding power lines.
- Power improvement and support for Alrahmania by new 2x25MW power stations with modify 2 OHTL 66KV Alrahmania / Shobrakat and Alrahmania / Edco.
- Power improvement, support and re-distribution load of Eltahrir Badr district by a new 2x25MW power stations with modify 2 OHTL 220KV Eltahrir Badr / Etay Albarod and Eltahrir Badr / Menouf and 5 OHTL 66KV Eltahrir Badr / Altahadi Aldima, Almagd, Komhamada and Elshohada. Power improvement and re-distribution load of Etay Albarod district by an extension switch and new distribution panel 66KV with power stations and modify the OHTL of Etay Albarod / Damanhour 66KV.
- Inspection and testing tasks:
 - Towers:
 - Entered Egypt: Al-Babtain, Alswedy and Metalco for steel towers companies, 2002-2011.
 - Overseas: Testing plant of Al-Babtain in Al-Kharj – Saudi Arabia and Laboratory Corporation of KEC international Limited - India.
 - Conductors:
 - Entered Egypt: factories in Helwan factories Egytec and Alswedy, cables Tenth of Ramadan and the Energy Abu-Rawash, 2002-2011.
 - Insulators:
 - Entered Egypt: Egyptian Company for Tenth of insulation, Ramadan, 2002-2010.
 - Overseas: testing of insulators & switch gears 22KV from Indian's factories "Panecare" in India For export to Ethiopia for the Rural Electrification Project – 2006.

Dates	:	From 1994 till 2002
Employer	:	Egyptian Electricity Transmission Company (EETC)
Project	:	Over head transmission lines & cables maintenance sector - East Delta Zone
Job title	:	Transmission Lines (TL) Maintenance Engineer / Chief of OHTL department with several TL of 500, 220 and 66KV
Job Description	:	<ul style="list-style-type: none"> • TL maintenance for 66 & 220KV power lines: <ul style="list-style-type: none"> - The periodic inspection and maintenance of TL by making a dry cleaning, water washing of bushing & string insulators and live cleaning (under tension - as the Team Leader). - Protected inspection and maintenance of TL by measuring the temperature of conductor contact point surfaces, by using the measures surface temperature instruments.

- Prepare the annual programs for periodic inspection & maintenance of TL.
- Replacing and repair defects parts of 66 & 220KV OHTL (ex. replacing conductors ACSR 120/21 mm² of Kom-Hamada Etay Elbarod and Hosh Easa / Damanhour 66KV power line), implementation of themselves.
- Repair the defect parts which befalling due to cut off conductors or breaking the string insulators of line towers, in case of single or double conductor's lines (ACSR 120/21, 240/40, 380/50 and AAAC 95/300/405 mm²), implementation of themselves.
- Re-establish the switchyard portals of Eltahrir Badr substation 220/66/11KV (6 Bays 220KV & 10 bays 66KV) after the collapse of 220KV frame side by self-effort in 29 days.
- Saleh & Hegab Associates Consultancy Firm (SABBOUR-Previously):
 - As a Consultative Engineer for several electric & mechanically projects and electrical transmission networks for several voltages 500, 200, 110, 66, 33, 11 and 0.4KV.
- With international sector (Mozambique Project), 2004-2006:
 - With Mozambique Electricity Authority, Electricidade De Mozambique (EDM).
 - Prepare the feasibility study for improvement of power supply to Cabo Delgado province north of Mozambique, in order to submit to the BADEA (Arab Bank for economic development in Africa) to establish the basis to take a decision to support the power sector in north region "Cabo Delgado Province-north of Mozambique".
 - The project covers:
 - 82625 km² area including inland water.
 - 9 nine districts Macomia, Meluco, Quassanga, Muda, Nangada, Matemo, Quarimbas, Palma, Mocimboa dapraia and Ibo islands.
 - The feasibility study was provided:
 - Five alternatives, one of them being the most optimum solution for the project (minimum costs 58739062 \$ and higher IRR 12.7% with a NPV of 32.4 \$ million).
 - Two 110/33KV substations with 2 OHTL 110KV, 279 km and third one 130 km for interconnection with Tanzania.
 - Six OHTL 33KV with grand total length 698 km to feed the different 9 villages and islands.
- With local sector (Irrigation improvement project IIP2), 2007-2009:
 - With General Directorate for irrigation improvement-Ministry of public works and water Resources ARE.
 - All consultancies studies for electrical works and the feasibility study for implementation and extended the medium and low voltage networks 11 & 0.4KV. To feed an electrical power for the irrigation raise stations (works by an electric motors) to improvement the irrigation systems in old lands.
 - And all fields' works of the feeding networks for medium and low voltage and all necessary requirements of electric motors sets and the operating systems beginning of the districts loads analysis and fields survey to the energizing with all requirements of electrical, mechanical and technical services, including:
 - Preparation the specifications and conditions of material and implementation.

- Preparation of contracts and conditions brochures and specifications with overseeing the implementation.
- Al-Marwa Company (Almarwa Associates for Engineering Works & Consultancies (MAEWC firm)) – 2006 up to date:
 - As a Consultative Engineer and Technical Management for several fields of projects management, works complementary, operation and maintenance works, electro-mechanical works, cooling and air conditioning works and engineering services.

Dates : From 1990 till 1993

Project : Roads paving and structuring project – Beheira Governorate

Job title : HV Equipments & Cars Maintenance Engineer / Chief of Maintenance Dept.

Job Description :

- Operation and maintenance the bitumen mixing plant (periodic and protected maintenance for local bitumen mixing plant and half-automatic American electric bitumen mixing plant), which works by diesel generator 150 HP.
- Operation and maintenance paving equipments (American, Japanese, German and England models).

Field of experience : About 22 years of professional experience, including 19 years in the field of power transmission line with EETC as a Maintenance and Projects Engineer, Administrator and Senior Engineer in West Delta OHTL maintenance & projects sectors of 220, 66 and 500KV networks (all works of operation & protection, installation and construction, site supervision and consultancy of OHTL and 3 years of experience in the field of HV equipment and car maintenance in Road paving and structure project - Beheira directorate, with the following responsibilities:

- Managing of projects related to electric energy substations and High Voltage transmission lines.
- Professional experience for design and installation of 500, 220/66/11KV Tie lines.
- Analyzing regional requirements and logistical constraints, to contribute key inputs while floating requisitions/tenders and finalizing contracts for services and constructions.
- Advising upper management about budget planning and expenditure management.
- Collating, and compiling data/ Inputs from various sources and generate key matrices reports for each segment as well as consolidated reports for the region.
- Drafting short term contracts and negotiating end to end deals encompassing issues of comparative estimates, settlement and breach of contract parameters. Verifying and control invoices.