

Eng. Gamal Abdel Nasser Badr Hussein

One of the prominent leaders in the Egyptian electricity sector, he served as a full-time board member for the northern region of the Egyptian Electricity Transmission Company, where he was responsible for the technical and administrative supervision of the electrical transmission networks in the northern region, which is one of the most vital areas in the national grid.



Work Experience

2015 - 2024

Vice Chairman & Board Member-
Northern Region

2012 - 2015

Head of Protection Sector – Cairo
Region

2010 - 2012

Head of the High Voltage Projects
Sector, Cairo Region

2005 - 2010

Director General of Protection – Cairo
Region

- Senior Protection Engineer- Cairo Region
- Test & Operation Engineer- All Voltage Levels
- Protection Engineer – 500, 220, 66, 22, 11 kV
- Maintenance Engineer – 220, 66, 22, 11 kV (Central and South Cairo)
- Electrification Operator Engineer- Substation 220/66/22 kV

My Contact

 Cairo – Egypt

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Completed

- Four training courses for different types of protection sequences at Siemens (Nuremberg, Germany)
- Training courses for different types of protection and relocation at Alstom (Montbilliard, France)
- SEL Protection Migration Training Courses (Seattle – USA)
- Scada System Audits (HUAWEI - Spain)
- SCADA System Audit (Nari - China)
- Audits of ABB Capacitor Manufacturer (China)
- GIS Factory Audits (Xi'an, China)
- Transformer Company Audits (XD-China)
- Migration Audits & Protection Control (Nari - China)
- Condensate Bank Audits (ABB – India)

Work

- Testing and Modification of All Types of Protection Relays
- Short circuit calculations (S.C.) for substations to determine appropriate equipment classifications
- Protection setup calculations (distance relays, O/C relays, E/F relays, etc.)
- Test of Current Transformers (CT), Voltage Transformers (VT), Power Transformers, GIS and AIS Systems (All Voltage Levels)
- Substation Design (All Voltage Levels)
- Design and supervision of mobile substations
- High Power Plant Installation
- Supervision of ground and ground cables for different voltage levels



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Other Experiences (2010-

- Member of the Fault Analysis Committee, EETC (2005-2024)
- Chairman, Supreme Procurement Committee (H.P.C.), EETC (2015-2024)
- Protection and Substation Training Trainer, Apex Company in Various Countries
- Course Trainer for African and Arab Engineers
- Member of the Senior Leadership Selection Committee of the E.E.T.C.
- Board Member of North Cairo Electricity Distribution Company (2015-2024)

Commissions

- Committee Chairman – Settlement of 1210 km 500 kV OHTL with State Grid Corporation (China)
- Chairman of the Committee – Settlement of 358 km 500 kV with El Sewedy Company

Key Responsibilities

- Supervise and monitor the implementation of all EETC projects (substations, OHTL, Cables, etc.)
- Preparation of technical specifications in accordance with international/local standards (IEC, EUS, etc.)
- Monitor project timelines, assess risks and implement solutions to avoid delays
- Evaluation of subcontractors and employees. Delegating appropriate responsibilities
- Monitor the progress of implementation using S-curves and initiate recovery plans when needed