Holds B. Sc. and M. Sc. in Electrical Power Engineering and has about 15 years hands-on experience working in maintenance, construction, operation, commissioning and start-up.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	15/10/1984
Gender	:	Male
Marital Status	:	Married
Residence	:	Maadi, Cairo

EDUCATION

- : B. Sc. in Electrical Power Engineering, Menoufia University, 2006
- : M. Sc. in Electrical Power & Machines Engineering, Cairo University
- : Studying for PhD degree of Electrical Engineering at Cairo University

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, etc.), Internet

TRAINING COURSES AND CERTIFICATIONS

- : Obtained an operation and maintenance course in generation power stations at SHOUBRA EL-KHEIMA POWER PLANT according to international standards of BECHTEL training program (from Jan. till Mar. 2009).
- : At PGESCO site office at Cairo West Power Station I have satisfactorily completed the SAFETY training program in the following modules:
 - Falling hazards.
 - Scaffolds.
 - Electricity.
 - Confined spaces.
 - Excavation.
 - Cranes, Lifting & Rigging.
- : Operation and maintenance course for generator (auxiliaries, protection, control and excitation) by the vendor (MITSUBISHI HEAVY INDUSTRIES, LTD & TOYOTA TSUSHO CORPORATION) (from Apr. till Jun. 2010).

- : Maintenance training for gas & oil fired BOILER and AUXILIARIES in thermal power plant by BABCOCK-HITASHI K.K. for 30 days.
- Operation and maintenance training of DIGITAL PROTECTION RELAY (MICOM) by the PROINELCA POWER Company.
- Training courses operation, use and maintenance of rectifiers and inverters equipment of JEMA and batteries by JEMA vendor.
- : Operation and maintenance training of medium voltage switchgear 6.6KV, by manufacture EGEMAC.
- : Operation and maintenance training of low voltage LOAD CENTER 400V, by manufacture EMEC.
- : Operation and maintenance training of low voltage MCC 400V, by manufacture ABB.
- : Operation and maintenance training of SERVICE AND INSTRUMENTATION COMPERSSORS by the manufacture INGERSOLL RAND.
- Operation and maintenance training of EMERGENCY DIESEL GENERATOR by the manufacture CYMASA Company.
- : Operation and maintenance training of HYDROGEN GENERATION PLANT by the SPAIRE ENERGY Company.
- : Operation and maintenance training of TRAVELING WATER SCREENS AND TRUSH RAKE installed in Cairo West Power Plant by the manufacture TRANOS FILTERATION (SPAIN).
- Operation and maintenance training of electrical monitoring control system (EMCS) by the manufacture SCADA INNOVATIONS Company.
- Operation and maintenance training of HEAT TRACING by the manufacture BARTEC SAFE.T Company.
- : External training (Feb./Mar. 2010): design, fabricating, assembling, testing, operation and maintenance course for large power transformer at HYOSUNG Company, Seoul, South Korea.
- : Visits:
 - Upper Egypt Electricity Production Company for one week:
 - High Dam Power Station (12x175MW).
 - Aswan storage-1 Power Station (7x46MW).
 - Aswan storage-2 Power Station (4x67.5MW).
 - Cairo North Power Station (two modules x 750MW).
 - NUBARIA Power Plant (3x750MW).
 - National Energy Control Center (NECC).
 - Power Transformer Factory (ALMACO).
- : External Visits:
 - Nuclear Power Station (6x1000MW at KOREA HYDRO & NUCLEAR POWER Co. (KHNP), South Korea.
 - 750KV Substation (conventional, Sf6 C.B) at Kyungnam, South Korea.
 - GIS Factory (66, 220, 500 and 750KV) at Changwonn, South Korea.
- Academic Test of English as Foreign Language (TOEFL).
- : Trainings during study:
 - Shoubra El-Kheima Power Station (generation & transmission).
 - AI-Ezz Steel Rebar's Co-operation (automatic control & PLC).
 - Cairo Regional Control Center, CRCC (Power System Control).

CHRONOLOGICAL EXPERIENCE RECORD

Employer Project Job title Job Description	 EST/AVIC INTL Partnership (MADKOUR) IMBABA S/S 220/66/11KV GIS Testing & Commissioning Manager Responsibilities including but not limited testing of power transformers (2 x 175 MVA, 4 x 40MVA, 2 x 1 MVA), 66KV GIS (17 BAYS, two BB one CB), 220KV GIS (10 BAYS, two BB one CB), 11KV switchgear (46 cells, ABB), UPS (chargers and batteries), cables (66KV, 11KV), Protection relays (transformers, feeders, bus couplers, and BB protection), BCU and SAS (configuration and start-up).
Employer Project Job Description	 PEMCO Company / Doosan Shoaiba Power Plant (14x400MW Steam Turbines + 10x750MW Combined Cycle), Saudi Arabia Worked as Electrical Site Manager for overhauling annual maintenance of six (6) units (6x400MW) boiler.
Employer Projects Job title Job Description	 EGYPTROL under supervision of GE Company Fast Track Projects in Assiut and Damietta Power Plants Testing, Commissioning & Start-up Engineer Responsible for twelve (12) units of 125MW. Testing, commissioning and start-up for Main and Auxiliary Power Transformers. In addition to that Isolated Phase Bus Duct (IPB) and Generator Circuit Breakers (GCB).
Employer Project Job title	 AREVA (ALSTOM) Company One & half 500KV GIS site Testing & Commissioning Engineer
Employer Project Job title	 SMART GROUP (Smart Power / Smart Solar), as sub-contractor to CHINT- Acwa Power BENBAN Solar Plant, ASWAN Testing & Commissioning Manager
Dates Employer Project Job title Job Description	 From May 2007 till Dec. 2009 Cairo Electricity Production Company Cairo West Thermal Power Station 2x350MW Electrical Construction, Commissioning & Start-up Engineer Responsible for the following: The extension of ONE and HALF C.B. 500KV GIS switchyard for entering the new units (7, 8) by making the required modification for both control circuit (including protection wiring and logic modification) and GIS bus bar modification and testing. Installing and testing of unit large Transformers (Main (19/500KV, 480MVA) and Aux transformers (19/6.6/6.6KV, 54MVA)). Installing and testing the Isolated Phase Bus (IPB) that connects the

Dates	:	 main generator to (surge arrestor, VT, excitation transformer, unit AUX and MAIN transformer). The commissioning, interfacing and interlocking between the unit systems (main generator, 6.6KV SWGR, 500KV GIS SYRD, POWER TRANSFORMERS, turbine controller, Boiler,etc.). For 11 months
Employer	:	Cairo Electricity Production Company
Project	:	Cairo South Power Station
Job Description	:	Worked as an Operation Shift Engineer in a combined cycle module (one simple gas turbine & HRSG) of 165MW, also three simple gas turbines (3x115MW), all modules GE.
Field of experience	• :	 Dealing with the software for different types of digital protection devices as following: Power Transformer protection devices (MICOM P121, P632, P633, P634), NR PCS-978 protection relays, SIEMENS 7SJ80, GE T60. 500KV GIS SYRD protection devices (MICOM P143, P632, P74), NR PCS-931 (line differential relay), NR PCS-9611 (feeder Relay), NR PCS-931 (Bus Bar Protection relay). Fault Recorder ALSTOM M781, M782, have the ability for Analyzing Disturbance & Event Recorder. Main generator protection devices (VAMP 40, 230, 135), (Schneider SEPAM 20). Testing: Familiar with famous testers for testing protection relays like OMICRON CMC-256, 356, ISA DRTS6 and SVERKER780. Familiar with modern testers for testing Power Transformers, VTs, CTs, Resistance, Dissipation, capacitance and power factor using (OMICRON CPC-100 with its complete accessories). Familiar with testing CTs using OMICRON CT ANALYZER. Familiar with testing Relays, Voltage Transformers and Current Transformers using (ISA T3000 substation test set), (ISA STS5000 with tan delta test module TD5000). Timing for circuit breakers by (TM1600 Circuit Breaker Analyzer, ISA CBA 1000). Make scheduling & planning of the work.

Ahmed Abdel-Rahman, Doaa K. Ibrahim, Mahmoud Gilany, "Evaluation of Protective Schemes for Grid-Connected Generator-Transformer Units in Egypt", 17th International Middle East Power System Conference (IEEE-MEPCON'15), Mansoura University, Egypt, 2015, paper code 1108.