

Holds a B. Sc. in Electrical Engineering and has about 21 years hands-on experience in electro-mechanical construction, commissioning, operation & maintenance, working as Electrical Engineer in sewage and water treatment plant projects.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 19/04/1969  
Gender : Male  
Marital Status : Married  
Residence : Cairo, Egypt & Abu Dhabi, UAE

## EDUCATION

: B. Sc. in Electrical Engineering, Cairo University, 1992

## LANGUAGES

Arabic : Native Language  
English : Excellent  
French : Excellent

## COMPUTER SKILLS

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

## TRAINING COURSES AND CERTIFICATIONS

- : Complete PMP course.
- : Sea survival and helicopter under water escape training in ETSDC emirates technical & safety development center offshore training course for oil and gas sector.
- : Certified professional licensed contractor from RSB in ABU DHABI.
- : Participate in MAXIMO, business process workshop V7 2009/2010, regarding asset management and inventory management application with ADWEA.
- : Rockwell Automation, developing RS view supervisory edition applications course, American products for PLC, SCADA, workstations, AMC area monitoring center, OLM optical link module, OSM optical switch module, fiber optic network, HMI human machine interface.
- : IMS (Integrated Management System) course using the risk assessment forms in electrical safety applications.

- : CETE Apave, French company specialized in electrical safety training, risk of vicinity places, live bare parts, definition of different electrical zones for low voltage and high voltage, when we can use safety isolated gloves and how we can test it's cracking, UV safety glasses, safety isolated boots, definition of safety voltage, first class and second class double insulation equipments, definition of level A and level B for LV AC, LV DC, HV different level of authorized persons inside electrical rooms LV0, LV1, LV2, LVR, LVC & HV0, HV1, HV2, HVC.
- : PPE: personnel protection equipment using low voltage and high voltage gloves, pneumatic verification, isolating sheet up to 1000V for LV side, isolating carpet up to 20,000V for 11KV side, facial protection and goggles protection.
- : CEDC, Egyptian National Civil Defense, fire fighting using carbon dioxide, powder, foam, water Extinguisher and also a special training with BAVARIA for using the foam trailer.
- : Electrical safety training on-site for using portable gas detector ZELLWEGER (hydrogen sulphide H2S, methane CH4, carbon monoxide CO, oxygen O2, LEL), the limit of PPM parts per million which could be dangerous on people, how and where we can use the breathing apparatus, ear muff, safety glasses, anti spark tools, latex transparent plastic gloves, safety policy, confined space entry, and ATEX explosive area. IMS integrated management system using the risk assessment forms.
- : Egyptian Red Crescent, basic first aid course, triage definition, how we can make CPR, electrical chock and what was the definition of iceberg, etc.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2011 till now
- Employer** : TAMAS projects (ABU DHABI – UAE)
- Project** : Yas tunnel which covered MEP, Scada, ITS system and Al Falah development community projects, which covered traffic signal intersections, DOT is our stake holder
- Job title** : Project Manager
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- Dates** : From Jul. 2010 till May 2011
- Employer** : EGISRAIL
- Project** : Transit System (metro, APM, tramways, electrical bus, monorails)
- Job title** : Senior Consultant Engineer
- Job Description** : Provide a value engineering assessment of all preliminary system design to develop the conceptual design into a complete working system (i.e. very good knowledge about automatic people mover in DOHA West Bay project staked out by Qatari Diar, good knowledge about the trolley bus system in KSU in Riyadh staked out by ADA, good knowledge about the APM in KAIAD in JEDDAH).
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- Dates** : From Jul. 2007 till Jul. 2010
- Employer** : TAMAS projects (ABU DHABI – UAE)

**Project** : Mainland and AL AIN for sewage pumping stations  
(Operation and maintenance contract, which covered 160 pumping stations till the discharge point at MAFRAQ and ZAKHER treatment plant, MAFRAQ received 460,000 meter cubes daily flow.)

**Job title** : Contract / System Manager

**Job Description** :

- Responsible for the team management, focusing on the delivery of KPIs, job completion rates, productivity, work quality, audits and customer complaints, also for any minor / major variations of the contract.
- Budget estimation, financial reports, breakdown for main and additional activities, following up our electrical and mechanical work shop repair with WS Manager.
- Supervising all using CMMS application with SCADA system.
- Application of Maximo program.
- Dealing with the client ADSSC (Abu Dhabi Sewerage Service Company).
- Extracting all the reports attached with trends activities.
- Submit end of each year contract our asset condition grading report with the annual report to our client ADSSC.
- Familiar with ISO 9001 Quality management system, ISO 14001 environmental management system, ISO 18001 British standard occupational health & safety.
- Working for installation and commissioning, operation and maintenance for KSB, WEIR, RITZ, HIDROSTAL, GRUNDFOS pumps, horizontal and vertical drive shaft centrifugal pumps, submersible pumps, dry well submersible pumps.
- Leading a crew of 95 people such as engineers, foreman, SCADA operators, technicians, pump room operators, AC technicians, skilled labors and drivers.
- Predictive measurements for alignment, vibration, heating, with analysis report.
- Testing and commissioning for VFD panels, soft starters, motor management relays.
- Hydraulic analysis using pump curves and system curves and design review for pumps duty point regarding the static suction lift, discharge head, friction losses.
- Perform wet well cleaning for 110 pumping stations in the Mainland to the landfills.

**Dates** : From Aug. 2002 till Jun. 2007

**Employer** : Ondeo Degremont

**Project** : El-Gabal El-Asfar Waste Water Treatment Plant  
(which receives 500,000 meter cubes up to 650,000 daily flow)

**Job titles** :

- Deputy Electrical Superintendent (from the beginning of construction period)
- Electrical Maintenance Manager (during commissioning period, from Jul. 2004 till Jun. 2007)

**Job Description** :

- Supervision, coordination and technical assistance with 5 subcontractors during erection period.
- Supervision the installation and pulling all cable network, classified as MV, LV, control, measurement, fiber optic, Earthing, near by 1600 KM.

- Exploitation of main electrical and substations 11KV supply, all MCC's panels, PLC's, successfully with the Engineer AXOR.
- Administrative works related to electrical maintenance crew: time sheet, appraisal form, evaluation report, etc.
- Leading for technical staff including 4 engineers, 28 technicians: daily meetings, O & M weekly meetings, backlog meetings with our client CAPWO.
- Safety and security training with APAVE, PPE for personnel, refreshment for safety regulations, fire fighting training, first aid training, Risk Assessment, how to define the risk level of any activity, using the formula (risk = gravity \* probability \* frequency).
- Application for evacuation plan in case of emergency using the assigned assembly point.
- Follow up preventive, corrective, predictive, maintenance activities.

**Dates** : From 2000 till 2002  
**Employer** : CCC / Debbas  
**Project** : City Stars Project (one of the biggest commercial center in the region)  
**Job title** : Quality Control Engineer  
**Job Description** :

- Installation and testing 11KV switchgears, transformers, capacitors bank, ring main units.
- Installation of low current system including multimedia, fire alarm system, public address and CCTV system, Intruder detection system and UPS.
- Follow up reflected ceiling drawings to reach successfully approval of void closure with CASSIA and SHAKER consultancy group.
- Installation and testing LV system including General Electric bus way Feeders, MBLD lighting design, BMS for lighting, lifts, escalators.

**Dates** : From 1994 till 2000  
**Employer** : ALSTOM & CEGELEC  
**Project** : Metro project line 2 – Cairo underground project  
**Job title** : Testing & Commissioning Engineer for all 750V DC traction parts and 20KV supply for 17 substations  
**Job Description** :

- Supervision of civil works before installing all electrical equipments inside the substations.
- Erection, testing and commissioning for 220KV substation in Ramses complex.
- Testing all rectifiers' stations, transformers, rectifier bridges, high rupture DC circuit breaker, battery chargers, 20KV SF6 circuit breakers, etc.
- Working in operation and maintenance period for each phase, solve all the troubleshooting, preventive and corrective maintenance activities.
- Working in the EWP experimental working period with SYSTRA (European leader in rail and urban transport engineering).

**Dates** : From 1993 till 1994  
**Employer** : COGIFER

- Project** : Metro project line 2 – Cairo underground project
- Job Description** : Installation of rails inside the tunnel.
- Dates** : From 1992 till 1993
- Employer** : IRACO
- Job Description** : Installation, testing, commissioning and maintenance of air conditioning and refrigeration for split, windows, chiller system, package units and DX units.
- Field of experience** :
- Improving the safety performance of site operations, high experience from large capital expenditure (CAPEX) projects.
  - Have experience of managing projects with KPI as measures against performance and payment.
  - Conversant with technical and commercial aspects, astute and expert at administering construction contracts.
  - Able to analyze the RCA (route cause analysis) for operational events.
  - Familiar with ISO 9001 Quality management system, ISO 14001 environmental management system, ISO 18001 British standard occupational health & safety.
  - Strong ability to synthesize tender documents technically, solid knowledge and understanding of FIDIC contracts.
  - Capable to work in multicultural big projects, able to communicate effectively with site teams and motivate them to meet the project objectives, good leadership skills.
  - Excellent knowledge in pumping stations, pipe network, sewage treatment plant knowhow.
  - Excellent knowledge in electrical distribution Power Plants, cable pulling, testing.
  - Excellent knowledge about Metro fed from catenaries or third rail system, in general knowhow of traction system.
  - Conversant with technical and commercial aspects.
  - Develop and monitor the construction activity, operation & maintenance management, with good coordination with relevant authorities, clients.
  - Manage all screening & technical interviews.
- Further experiences** :
- Many business trips to INDIA for technical staff recruitment and making trade tests.
  - Business trip to FRANCE to enhance our knowledge about the most advanced transit technologies applied in Europe.
  - Operate and maintain 25KVA & 37KVA diesel generator Volkswagen type.