

Holds a B. Sc. in Electrical Engineering and has about 24 years hands-on experience in MENA big scale multidisciplinary EPC infrastructure projects, Transport, tunnels, Airport, water & waste water, 12 years in waste water PS & treatment plant, golf courses, 11 years in rail projects - METRO / tunnel & viaduct MEP, vehicular Tunnel, LRT, ITS, Airports (BHS, high masts), industrial and commercial projects, 1 year in Transit Consultancy firm.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/04/1969
Gender : Male
Marital Status : Married
Residence : Currently 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

- : IELTS
- : Safety induction training, defensive driving training, working at height, JSTI, in the MTB – Abu Dhabi International Airport.
- : Certified professional licensed contractor from RSB in ABU DHABI.
- : PMP – Project Management Professional from Cambridge.
- : Sea survival and helicopter under water escape training in ETSDC emirates technical & safety development center offshore training course for oil and gas sector.
- : Familiar with RSB – Recycled water and Biosolids regulations.
- : MAXIMO version 7, business process workshop 2009/2010, regarding asset management and inventory management application linked with ADWEA assets in ABU DHABI.

- : IMS (Integrated Management System) course using the risk assessment forms in electrical safety applications.
- : 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.
- : Firefighting course with Egyptian National Civil Defense, using carbon dioxide, powder, foam, water Extinguisher and also a special training with BAVARIA for using the foam trailer.
- : 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.
- : 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.
- : Advanced first aid course with Egyptian Red Crescent.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2011 till now
- Employer** : TAMAS Projects (ABU DHABI – UAE)
- Project** : ADIA / MTB - Airport, BHS system / electrical works, AGL, high masts
- Job title** : Senior Project Manager
- Job Description** :
- Managing of 80 people.
 - Four years 24* 7, in operation for the Yas tunnel integrated MEP, Scada, ITS system, KPI contract owned by DOT (department of transport). We are contributing with the biggest event in Abu Dhabi, the Grand Prix Formula 1 racing (FP-EPA contract).
 - Installations of traffic signal intersections with CCTV cameras, high masts, in Al-Falah Development Community Project, developed by AL DAR.
 - Operation of STP in Reem Island, developed by AL DAR and STP Saadyat Island which fed GOLF courses developed by TDIC.
 - Maintenance of the sewer network & pumps of stakeholders such as ADAT & ADAC, CMW.
 - Contribution with contractors such as Zublin, Samsung in the STEP project owned by ADSSC, for the isolation / over pumping / CCTV

works.

Dates : From Jul. 2010 till May 2011
Employer : EGISRAIL
Job title : Senior Consultant Engineer
Job Description : Specification reviews and design appraisal of Doha west bay people mover in QATAR, Riyadh metro in KSA, KSU trolley bus system in KSA (metro, APM, tramways, electrical bus, monorails) to provide a value engineering assessment of all preliminary system design, develop the conceptual design into a complete working system.

Dates : From Jul. 2007 till Jul. 2010
Employer : TAMAS Projects (ABU DHABI – UAE)
Project : Mainland and AL AIN networks and sewage pumping stations, owned by ADSSC, including the whole Coverage emergency sewer network and pumping stations (FP-EPA contract, AED 400M contract value, \$ 109M)
Our contract was operation and maintenance contract, covered near by 160 pumping stations inside Abu Dhabi mainland & Al Ain city, we have more than 350 pumps with different categories starting from 10 KW up to 720 KW, 3500 KM of sewer gravity line, 500 KM rising main up to 2000 mm, storm water network up to 2400 mm, irrigation network up to 1300 mm, vacuum sewer system, the system was designed and integrated using CMMS application (Maximo) with SCADA system.

Job title : System Manager
Job Description :

- Managing of 95 people.
- Team management, KPI product to be delivered, productivity, work quality, audits, resolve customer complaints (the O&M team was structured of 97 folks).
- Studying project life cycle cost estimation (Capex +Opex), Budget estimation, financial reports, breakdown for main and additional activities, following up with our work shop MEP repair.
- Prevention of any scope creep or gold plating occurrence, awareness of project critical path, prevent any odor complaint, and prevent any flooding to the public.
- Design review for hydraulic analysis, pump curves and system curves, pumps duty point, discharge head, friction losses during pumps commissioning.
- Installation, commissioning, O&M for KSB, WEIR, RITZ, HIDROSTAL, Schneider electrical switchgears, GRUNDFOS pumps, Horizontal and vertical drive shaft centrifugal pumps, submersible pumps, dry well submersible pumps, drag flow pumps as per each variation order (VO).
- Re-establishment of trust between owning company and operator.
- Operate and maintain MBR treatment plant, monitor and control the effluent parameters as per RSB regulations.
- Rehabilitation of main sewage networks and pumping stations.
- Provide Yearly asset condition grading report, annual report to ADSSC – Abu Dhabi sewerage Service Company.
- Environmental survey for wet well cleaning using combination tankers linked through GPS to the waste management center in Abu Dhabi to legal landfills -incinerator discharging point.

Dates : From Aug. 2002 till Jun. 2007

Employer : Ondeo Degremont

Project : El-Gabal El-Asfar Waste Water Treatment Plant:

- The WWTP receives 500,000 up to 650,000 meter cubes/day, large scale project, followed operation and maintenance contract.
- During the operation of the plant we reach a performance target to feed the WWTP from the DFGH (dual fuel generator house) with 3.7 MWH power production from biogas enabling 65 % from Bio-gas production power supply self autonomy and 35 % supply from electrical grid.

Job Description :

- Deputy Electrical Superintendent (from the beginning of construction period):
 - I was following day to day activity for construction activities, coordinating with 5 subcontractor activities (Cegelec, seat int., ARABCO, Sewedy electric, Aspec), 850 KM of cables were pulled, installation of 41 big high masts, Schneider switchgears...till reaching a successful phase of construction and commissioning as well.
- Electrical Maintenance Manager (during commissioning period, from Jul. 2004 till Jun. 2007):
 - Managing a 35 people.
 - Improving the culture of leadership inside the team work.
 - Working on the budget and ahead of the schedule, monitor EVM graphs through different phases of the project, CPI & SPI values.
 - Production of 65 % from Bio-gas power supply self autonomy and 35 % supply from electrical grid.
 - Following all preventive, corrective, predictive, maintenance activities.
 - Contribution in all progress meeting on a regular basis with project's consultant AXOR.
 - Re-establishment of trust between owning company and operator.
 - Preparation of monthly/ yearly reports and all appraisal form.
 - Conducting interviews, workshop, brainstorming with technical staff regularly.
 - Training for CAPWO engineers during our operation contract.

Dates : From 2000 till 2002

Employer : CCC / Debbas

Project : City Stars Project (one of the biggest commercial center in the region)

Job title : Senior Quality Control Engineer

Job Description :

- COQ: cost of quality conformance which recaps the preventive costs such as training, and appraisal costs such as auditing, ISO, evaluation of work performed.
- Supervise the installation and testing 11KV switchgears, transformers, capacitors bank, ring main units.
- Supervise the installation of low current system including multimedia, fire alarm system, public address, CCTV, access control system and UPS system.
- Follow up reflected ceiling drawings up to the approval of void closure with our consultant 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 750 V DC traction, 22 KM length and 20KV Schneider switchgears distribution network, supply for 17 substations
Job Description :

- Plan, design and build contract, followed by testing & commissioning, operation and maintenance contract.
- Coordination with civil works prior the execution of electrical works inside the substations / tunnel.
- Erection, testing and commissioning for 220KV substation.
- Testing all rectifiers bridges inside substations, 20KV transformers, high rupture DC circuit breaker, battery chargers and 20KV SF6 circuit breakers.
- Working in the EWP experimental working period with SYSTRA (European leader in rail and urban transport engineering).
- Working in operation and maintenance contract in four different phases along the project.

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 : Air conditioning and refrigeration for split, windows, chiller system, package units, and DX units installation and maintenance, also operate and maintain 25 KVA & 37 KVA diesel generator VW type.

Field of experience :

- 24 years of experience in MENA big scale multidisciplinary EPC infrastructure projects, Transport, tunnels, Airport, water & waste water, 12 years in waste water PS & treatment plant, golf courses, 11 years in rail projects - METRO / tunnel & viaduct MEP, vehicular Tunnel, LRT, ITS, Airports (BHS, high masts), industrial and commercial projects, 1 year in Transit Consultancy firm.
- 9 years GCC experience, large MEP experience & 12 years project management.
- 4 years consulting services for DOT- main road division.
- Ability to handle multiple projects, to execute and interface with all phases of the project; including construction, design and engineering till the commissioning.
- Supervise engineering processes and interface management between different railway systems in customer projects – including traction power, signaling, communications, SCADA and other rail systems.
- Large experience with clients such as DOT, ADDC, ADWEA, ADCD, ADSSC.
- Previous experience with stakeholders such as ADAT, ADAC, CMW.
- Tamas Projects – ADIA - Airport projects – BHS baggage handling,

motorized high masts, operation of YAS tunnel and intelligent transport system.

- Operation, maintenance and emergency repair of sewer network and pumping stations, MBR treatment plants, storm water, golf courses, vacuum sewers in Abu Dhabi Island & mainland (\$ 109 M).
- EGISRAIL - Senior Consultant for transit system, metro, trolley bus system, automatic people mover.
- Ondeo Degremont - El Gabal El Asfar Project - greater waste water treatment plant (\$148 M) – 650 m³/day – biggest treatment plant in Middle East project.
- CCC / Debbas - City Star Project commercial projects - located in Cairo.
- ALSTOM / Cegelec – 22 KM, Metro underground project - located in Cairo - Transport system (Euro 761 M).
- COGIFER – line 2 Cairo metro underground projects.
- Implementation of safety standard performance, high experience in large capital expenditure (CAPEX) projects.
- Having management skills pursuant to achieve KPI's projects using such capabilities to commensurate with performance index for schedule, cost, and technical, in addition of cost trade-offs management, tradeoffs between making decisions among multiple choices.
- Have perfect mix of academics and industrial practice.
- Capable to work in multicultural big projects, good leadership skills, able to develop effective project teams, and giving the team all possible recognition during the life cycle of the project to meet the project objectives by improving leadership culture among staff.
- Extensive knowledge about sewer Pumping stations, sewer networks, sewerage treatment plant big scale project.
- Excellent knowledge about electrical distribution Power Plants, cable pulling, testing.
- Extensive knowledge about Metro transit system fed from catenaries / third rail, traction system.
- Capable to recognize all risks and opportunities, and able to propose risk mitigation strategies whenever necessary.
- Conversant with technical and commercial aspects, having intellectual acumen to administer construction projects and O&M as well.
- Supporting Business Development crew in bidding to different stakeholders.
- Able to analyze the RCA (route cause analysis) for operational events.
- Owning interpersonal skills which can support my interaction with various stakeholders.
- 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, conversant with FIDIC contracts.
- Ability to manage all screening & technical interviews with different candidates for recruitment process.

Further experiences : • Many business trips to INDIA for technical staff recruitment and making trade tests in Cochy, Mumbai, Trichi, Chennai, Travendum,

Hyderabad.

- Business trip to FRANCE to enhance our knowledge about the most advanced transit technologies applied in Europe.
- Operate and maintain 25 KVA & 37 KVA diesel generator Volkswagen type.