

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 9 years hands-on experience working in testing, commissioning, operation, maintenance and protection of several substations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/01/1979
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2002

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2000
: MS Project
: Primavera

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2007 till now
Employer : BEMCO Contracting Co., Doha – Qatar
Project : New Doha International Airport Project
(Infrastructure Power Distribution system with 5 substations 66/11KV, one 11/6.6KV central utility plant, 87 switchgear 11KV, 2 pumping stations and 1 waste water treatment plant.)
Job title : Senior Electrical Engineer (Project Engineer)
Job Description :

- Material/Technical submittal, operation and maintenance manuals reviewing before approval.
- Coordination with vendors and consultant for Material/Technical submittal comments rectification.
- Illustration of activities schedules to meet the energizing target.

- Coordination with construction team for providing construction support in installation of electrical equipment.
- Modification of the design to meet the client requirement and Kahrama specification.
- Interfacing, final functional checks, commissioning and handing over of 5 substations.
- Coordinating of the testing and commissioning team for execution of the working schedule.
- Coordination and supervision for testing of protection and control panels test by the vendor.
- Technical and construction meetings attendance.
- Responsibility for Sub-Project Management, technical and commercial.
- Availability planning of the PP/PS service engineers.
- Technical and commercial clarifications related to the projects with clients as well as external and internal suppliers.
- Support of project logistics after the procurement cycle.
- Follow-up of payment milestones / revenue collection.

Dates	:	From Dec. 2005 till Jun. 2007
Employer	:	ALFANAR Construction Co. (testing and commissioning section), KSA
Projects	:	<ul style="list-style-type: none"> • ALNAZEEM Substation (132/13.8KV) • GERNATA Substation (132/13.8KV) • Power Plant No. 9 (PP9), 380/132KV • Power Plant No. 2 (PP2), 380/132KV
Job title	:	Testing & Commissioning Engineer, then T & C Team Leader
Job Description	:	<ul style="list-style-type: none"> • Testing and commissioning of substation equipment of all types (GIS or conventional (indoor and outdoor), GIS and SF6, current and voltage Transformer, Circuit Breakers, Isolators, Bus Bars, Pressure Gauges, Meters, Surge arrestors, low Voltage Distribution boards (ACDB/DCDB) with ATS Schemes). • Testing and configuration of substation protective relays. • Scheme commissioning including AC and DC circuit, control interlocking, intertrip send and receive, alarms and indication, function check. • Stability and sensitivity test for transformer and Bus Bar. • Interfacing, final functional checks, commissioning and handing over of substations. • Coordinating of the testing and commissioning team for execution of the working schedule. • Preparing of site meeting points between construction and testing teams and coordination with the construction team to execute the meeting points for achieving the target date. • Preparing of detailed work plan, drawing, cable schedules, test reports to carry out the shut down work for modifying and upgrading the system.
Dates	:	From May 2002 till Dec. 2005
Employer	:	Egyptian Electricity Transmission Co. (EETC)
Projects	:	<ul style="list-style-type: none"> • Wadi Hoff Substation (220/66/11KV) • Helwan Cement Substation (66/6.6KV)

- Tebin 7 Substation (66/11KV)
 - Eskan Alzobat Substation (66/11KV)
 - Ain Helwan Substation (66/6.6KV)
 - El Leasy Substation (66/6.6KV)
 - Tagmoo Sakany Substation (66/11KV)
- Job title** : Operation & Maintenance Engineer (1 year), then Protection Engineer
- Job Description** :
- Installation testing of 220/66/11/6.6KV transformers.
 - Site Coordinator for 2 turnkey 66/11KV Substations.
 - Troubleshooting and maintenance of protection systems at all 7 sites.
 - Protection systems re-inforcement with numerical relays instead of electromechanical relays.
 - 11/6.6KV switchgear installation and maintenance.
 - Protection relays testing and commissioning.
 - Operation of Substation after coordinating with the NCC (disconnecting and connecting of substation equipment).
 - Monitoring the substation equipment to secure it from extraordinary condition which can cause dangerous to people and equipment.
 - Insure that working place is secured for the work and that all people are aware of all dangerous around them.
 - Prepare the work permit and all the substation documentation.
 - Responsible for the reliable performance of Transmission Primary Substations.
 - Recommend/advise the Head of Operation & Maintenance on technical matters related to substation.
 - Plan, organize and coordinate annual substation maintenance works by department staff/contractors in scheduled time period.
 - Allocate work, guides and supports substation engineers and supervisors.
 - Manage day to day activities of substation unit.
 - Plan substation maintenance work.
 - Prepare work program for Substation Engineers and supervisors.
 - Prepare reports, correspondence and spares & budget requirements for substation.
 - Prepare scope of works, specifications and evaluations for outsourced related works and purchases.
- Field of experience** :
- Installation, maintenance and operation of substations.
 - Design reviewing and execution, operation and maintenance manuals submitted by subcontractors and vendors.
 - Comments clarification of the consultants.
 - Testing and commissioning of protection relays and substation equipments.
 - Troubleshooting in protection and control schemes.
 - Various substation manufacturer (ABB, AREVA, SIEMENS) equipments.
 - Good Communication, Team Management, presentation skills complemented by sound computer skills.
 - Experienced in supervising Technicians for Construction, Installation and Commissioning activities.
 - Responsibility for Overall Project Management, technical and commercial.

- Coordination of site activities (Site Engineers, Site Arrangements).
- Availability planning of the PP/PS service engineers.
- Handling the customer contact throughout the project duration.
- Technical and commercial clarifications related to the projects with clients as well as external and internal suppliers.
- Support of project logistics during the procurement cycle.
- Follow-up of payment milestones / revenue collection.
- Technical skills:
 - CAP (ABB numerical relay configuration software).
 - MICOMS1 (AREVA numerical relay configuration software).
 - DIGSI (SIEMENS numerical relay configuration software).
 - Good Knowledge for most of ABB, AREVA, SIEMENS Relays (numerical and electromechanical).

Test kits handled:

- Numerical test kit OMICRON CMC256.
- Numerical test kit OMICRON CPC100.
- Numerical test kit FREJA 300, three phase & single-phase secondary injection kit and high pot kit.
- Numerical test kit MEGGER (MPRT).
- Primary Injection kit Programma ODEN.
- Secondary Injection kit Programma Sverker 760.
- CONTACT RESISTANCE measurement kit Programma MOM kit.
- Breaker analyzer kit Programma TMI600.
- Low voltage micro ohm resistance measuring set Programma MICRO.
- Accurate resistance measuring set Wheatstone bridge.
- Transformer resistance and ratio measurement kit Programma TTR.
- High voltage insulation and excitation set Programma MAGNUS.
- High voltage injection kit Hipot/Hipotronic.