

Holds a B. Sc. in Electrical Power Engineering and a M. Sc. in Power System. PMP certified. Experienced Engineering Manager with more than 16 years experience in projects in Middle East and Africa region in diversified power generation, substation, transmission projects for utilities and industrial application.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/07/1972
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Power Engineering, Ain Shams University, 1995
: M. Sc. in Power System, Ain Shams University, 2000

LANGUAGES

Arabic : Native Language
English : Excellent
German : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: Micro-station, AutoCAD
: Electrical Transient Analyses Program (ETAP)
: MATLAB / Simulink

TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional (PMP) certified from PMI, 2009

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2009 till now
Employer : Power System Projects (PSP) Office in Cairo
(Subsidiary of El-Sewedy Electrical Group, the EPC arm of El-Sewedy group for power generation, substation and large industrial networks projects.)
Projects :

- Abu Qir Power 2x650MW generation station DC & electr. installation package.
- 40MW LFO Diesel Generator Project in Cameroon.

- El-Sokhna 2x650MW generation station DC & electr. installation package and generation station electr. building services package.
- El-Sewedy Cement Co. 220KV AIS Substation.
- Ext. of Suez Steel & Arabian Cement Co. 220KV AIS Substations.
- Taybah Steel Factory internal network.
- River Transportation Authority (RTA) Control Center at Luxor.
- El-Atf 3x250MW generation station electr. building services package.
- Cairo West (unit 7 & 8) 2x350MW generation station electr. building services package.
- Tendering for 120MW LFO Diesel Generation of three projects in Ethiopia.
- Tendering for 140MW HFO Diesel Generation of two projects in Yemen.

Job title : Engineering Manager

- Job Description** :
- Prepare, implement, update, maintain and control the department instructions in accordance with the Company quality, environmental, health and safety Management systems (QS & HSE).
 - Manage and control all the department activities.
 - Coordinate with the project management and other departments to avail supports and satisfy the needs and requirements of tasks & responsibilities assigned to department.
 - Set up the organizations for all jobs, nominate and assign the required personnel for -these organizations.
 - Prepare and agree for the training plan for the department personnel with the HRD.
 - Prepare and maintain annual department budget and resources plan, provide staffing activities and conduct new personnel interview.
 - Conduct and coordinate annual appraisal and rating for department personnel.
 - Prepare department organization and share in cost estimate for proposal adjustment as required.
 - Responsible for the administration and functional direction of the department personnel.
 - Ensure the full awareness and implementation of the requirements of the QMS by all employees within the department.
 - Approve timesheets, progress reports, purchased material, change order & subcontractor claims.
 - Maintain annual development plan for the department activities function in company overall development program.
 - Manage & supervise the design engineers in the department.
 - Identify all engineering and design drawings deliverables for each project to be interfaced with the main project schedule through the project manager.
 - Provide project and process expertise and managing coordination of the activities of the design teams.
 - Direct, review and approve product design and changes.
 - Develop project proposals; determine equipment needs & estimate project costs and time frame.
 - Interface with other departments (Manufacturing, Quality Assurance, Tool Room, Maintenance, and Facilities) of the organization to discuss project specifications and procedures.

- Acting as an advisor to subordinate supervisors/managers or staff members to meet schedules or resolve technical or operational problems.
- Work with clients to ensure that customer requirements are assessed, addressed and met.
- Conduct presentations of technical information concerning specific projects and schedules for subordinate supervisors, outside customers and functional peer groups at management levels.

- Dates** : From Oct. 2006 till Jul. 2009
- Employer** : Dubai Electricity and Water Authority (DEWA) – Dubai, UAE
(Owner of Dubai power generation, transmission and distribution projects)
- Projects** : Design review for the following power projects:
- Aweer Power Plants HII 405MW (3 GTs), Dubai – UAE
 - Aweer Power Plants HIII 540 MW (4 GTs), Dubai – UAE
 - Ali Power Plants LI 750MW (3 GTs), Dubai – UAE
 - Jebel Ali Power Plants LII 1200MW (3 GTs), Dubai – UAE
 - Jebel Ali Power Plants M 1200MW (3 GTs), Dubai – UAE
- Job title** : Deputy Electrical Design Manager
- Job Description** :
- Managing the project process via co-ordinating with other DEWA departments, the consultant and the contractor to provide the best performance of the work cycle and interfaces.
 - Responsible for design review of electrical packages (GIS, power transformers, MV & LV switchgears, GCBs, IPBs, EDG, M.V. reactors, MV, LV and I&C cables) and check compatibility with project specifications.
 - Responsible for witness the major testing of the main equipment at their manufactures.
 - Reviewer and responsible for the SLDs, electrical equipment arrangement, cable routing drawing.
 - Reviewer and responsible for Power system analysis calculation (Load flow, S.C., motor starting, DC system, EDG sizing, cable sizing, grounding calculations).
 - Responsible for reviewing the lighting drawings, earthing drawings, lightning protection system.
 - Responsible for reviewing logic diagrams, schematics and block diagrams.
- Dates** : From Dec. 2004 till Aug. 2006
- Employer** : BEMCo Contracting Company
(Main Contractor for turn key project which Owner is DEWA, Consultant is Mott McDonald)
- BEMCo-International Office, Beirut – Lebanon (Dec. 2004 till Apr. 2005)
 - BEMCo-Aweer Office, Dubai – UAE (Apr. 2005 till Aug. 2006)
- Project** : Participating in designing Aweer Power Plants 405MW (3 GTs), Dubai - UAE
- Job title** : Lead Electrical Engineer
- Job Description** :
- Managing the electrical discipline staffing, hiring, work plans, schedules, long and temporary assignments.
 - Responsible for managing the electrical group and dedicate the tasks for each of the team members.

- Responsible for electrical packages (GIS, power transformers, MV & LV switchgears, GCBs, IPBs, EDG, M.V. reactors, MV, LV and I&C cables) as a main Contractor and turn key project responsibility.
- Responsible for designing the SLDs, electrical equipment arrangement, cable routing drawing.
- Reviewer and responsible for Power system analysis calculation (Load flow, S.C., motor starting, DC system, EDG sizing, cable sizing, grounding calculations).
- Responsible for reviewing the lighting drawings, earthing drawings, lightning protection system.
- Responsible for reviewing logic diagrams, schematics and block diagrams.
- Review the sub-Vendors documents and check compatibility with project specification.
- Co-ordinate with the Owner, the Consultant, the calculation performance offices, the other groups & the Sub-Vendors for having the best performance of the work cycle and interfaces (Dubai interval).
- Providing site support for construction items (Dubai interval).

Dates : From Sep. 2004 till Dec. 2004

Employer : BEMCo Contracting Company, Jeddah – KSA
(Main Contractor for turn key project)

Project : Miscellaneous HV substations

Job title : Senior Proposal Engineer

Job Description : Responsible for preparing the complete tender for substation, including the following:

- Bid Participation Form, Bid Schedule and bid Strategy Plan.
- RFQs follow up and bid tabulation forms, prepare technical comments and exceptions & internal BOQ.
- Co-ordinate with commercial sector for Bid Bond, Cash Flow & Financial Cost, Commercial Comments.
- Direct Cost (Civil, Electromechanical Services, Equipment, etc.).
- Other Direct Cost, Final price Approval & Client Price Schedules.

Dates : From Nov. 2001 till Sep. 2004

Employer : Power Generation Engineering & Services Company (PGESCO)
(Consultant for the Owner (Egyptian Electricity Holding Company (EEHC) for the power projects)

Projects :

- Cairo North Power Plants 750MW Combined Cycle
- Nubaria Power Plants 750MW Combined Cycle

Job title : Senior Electrical Engineer, System Calculation Group Leader

Job Description :

- Responsible for 220K switchyard (GIS substation) package (Cairo North project).
- Sharing of responsibility for 220K & 500K switchyard (AIS substation) package (Nubaria project).
- Responsible for Transformers package (Cairo North project).
- Power system analysis calculation (Cairo North & Nubaria projects), load flow, S.C., motor starting, protection relay coordination and power system stability) using ETAP program.

- Developing electrical systems specifications (Cairo North project).
- Drawing schematics and block diagrams (Cairo North project).

Dates : From Oct. 1999 till Oct. 2001
Employer : Power Generation Engineering & Services Company (PGESCO), working as a part of BECHTEL International Team (Location: Cairo - Egypt) (Consultant for the Owner (INTERGEN-BECHTEL))
Project : Sidi Krir 3 & 4 Power Plants (2x340MW gas/oil fired) BOOT
Job title : Electrical Engineer
Job Description :

- Acting as Electric Group Supervisor for last four months, with full responsibility to complete the project.
- Sharing in design and drawing single line diagrams, three line diagrams.
- Reviewing contractors' engineering submittals.
- Drawing schematics and block diagrams.
- The electrical detail design contains cable design and cable termination using Setroute Program.

Dates : From Feb. 1999 till Sep. 1999
Employer : Power Generation Engineering & Services Company (PGESCO), working as a part of BECHTEL International Team (Consultant for the Owner (INTERGEN-BECHTEL)) (BECHTEL Design Office in Gaithersburg, MD - U.S.A.)
Project : Participating in designing Sidi Krir 3 & 4 Power Plants (2x340MW gas/oil fired) BOOT
Job title : Lead Electrical Engineer
Job Description :

- In this capacity the responsibilities are developing the power plant electrical systems design.
- Sharing in developing electrical systems specifications.
- Implementing power system calculations for load flow, S.C., motor starting and power system stability using ETAP program.
- Cable ampacity and sizing calculations.
- Sharing in design and drawing single line diagrams, three line diagrams.

Dates : From Sep. 1995 till Feb. 1999
Employer : Power Generation Engineering & Services Company (PGESCO) (Consultant for the Owner (Egyptian Electricity Holding Company (EEHC) for the power projects)
Projects :

- Sidi Krir 1 & 2 Power Plant (2x320MW gas/oil fired)
- Ayoun Moussa 1 & 2 Power Plant (2x320MW gas/oil fired)

Job title : Electrical Engineer
Job Description :

- Developing the power plant electrical systems design.
- Sharing in developing electrical systems specifications.
- Sharing in responsibility of GIS Switchyard package.
- Preparing bid documents.
- Evaluating bid packages.
- Negotiating contracts with vendors.
- Reviewing contractors' engineering submittals.
- Implementing power system calculations for load flow, S.C., motor starting and power system stability using ETAP program.

- Cable ampacity and sizing calculations.
- Drawing schematics and block diagrams.
- Sharing in design and drawing single line diagrams, three line diagrams.
- The electrical detail design contains cable design and cable termination using Setroute Program.