

Holds a B. Sc. in Mechanical Engineering and Master of Business Administration (MBA). Has 40 years of experience increasingly responsible for Construction Management, Power Plants Engineering, Project Management, and Corporate Management positions on variety of power projects and military air base projects.

PERSONAL DATA

Nationality : Egyptian
Gender : Male

EDUCATION

: B. Sc. in Mechanical Engineering, Cairo University, 1978
: Master of Business Administration (MBA), 2012

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Visio 2010

TRAINING COURSES AND CERTIFICATIONS

: Front Line Leadership, USA (1995).
: Leading Six Sigma Course, Bechtel (2004).
: Six Sigma Champion Tools & Practices Course, Bechtel (2004).
: Prime Contract & Subcontract Management Training, Bechtel (2007).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2009 till 2020
Employer : Power Generation and Engineering Service Company (PGESCO)
Projects :

- 4100MW Projects: Abu Qir (1300MW Thermal Power Plant), Ain El Sokhna (1300MW Supercritical Power Plant), Al Shabab (1000MW – 8 units simple cycle Power Plant) & Damietta (500MW – 4 units simple cycle Power Plant)
- 3400MW Projects: Giza North (1500MW – two 750MW modules combined cycle Power Plant), Banha (750MW – one module 750MW)

Power Plant), Suez (650MW – One Thermal Unit Power Plant) & 6th of October (500MW – 4 units simple cycle Power Plant)

- Job title** : Deputy General Manager for Technical Functions
- Job Description** :
- The current responsibilities encompass the oversight and reviewing, for concurrence with the department heads, the hereinafter departments' objectives, strategies, and execution plans and follow up quarterly the results, deviations, and corrective actions.
 - The responsibilities also include global reviewing the hereinafter departments' objectives, goals, short term plan, and long-term plan with other company department heads in light of the overall company Vision, Mission, and Strategies.
 - Additionally; I have the general manager final authority for approving all expenses within the technical departments in according to the yearly approved budget.
 - I have sponsored the update for the Corporate Policies via the Corporate Manual.
 - Also, I have shared for updating the company's vision and mission to cope with the current resources and capabilities.
 - The technical functions under my direct responsibilities:
 - Engineering Department.
 - Construction & Start-up Department.
 - ES&H Department.
 - Record Management Department.
 - Six Sigma activities.
 - The above departments are handling in year 2010/2011, 4100MW under Construction & Commissioning and 3400MW under front end preparation.

Dates : From Nov. 2008 till Nov. 2009

Employer : Power Generation and Engineering Service Company (PGESCO)

Job title : Manager for Technical Functions

- Job Description** :
- Responsibilities encompass the direct managing the engineering department and construction department and oversight and review the ES&H, Record Management Departments.
 - In parallel it was a target to develop engineering department head & construction department head to take over the full direct department management within one year and it was fulfilled.
 - The typical functional responsibilities for engineering and construction departments include but not limited to:
 - Establish Departments goals in line with the company strategy and serve directly the company mission and vision.
 - Prepare and submit for approval the departments' plans (Execution Plan, Staffing Plan, Training Plan, technology & software upgrading plan, etc.).
 - Follow up the implementation of departments' plans.
 - Review and approve new department procedures.
 - Interface with the company management and other department heads to coordinate the goals & annual targets.
 - The typical oversight responsibilities for ES&H and Record Management Departments include but not limited to:
 - Review and approve departments' plans (Staffing Plan, Training

Plan, Execution Plan, etc.).

- Follow up the implementation of departments' plans.
- Review and approve new department procedures.
- Ensuring the departments established goals in line with the company strategy and serve directly the company mission and vision.
- Interface with the company management and other department heads to set the goals & annual targets.

Dates : From Nov. 2004 till Nov. 2008
Employer : Power Generation and Engineering Service Company (PGESCO)
Job title : Manager of Engineering
Job Description :

- Jointed PGESCO senior management responsible for managing the engineering department including all projects engineering, engineering discipline groups (mechanical, civil & structural, electrical, control, plant design & piping, architectural, environmental, and geotechnical & hydraulic), Projects Administration Group, and Engineering Specialists.
- In this capacity responsible for all assigned engineering activities carried out in PGESCO office. Make decisions and recommendations that have a major impact on engineering and related activities in the PGESCO office. Negotiates major issues with top-level engineers and officers of client companies. Accountable for the quality of engineering design and the timely and profitable completion of engineering on projects in PGESCO office. Share responsibility and participate in the PGESCO business development efforts by providing technical sales support and developing new business. Chief of the PGESCO Engineering Steering Committee. Responsible for Engineering Team Training plan and skills upgrade and development.

Dates : From Apr. 2003 till Nov. 2004
Employer : Power Generation and Engineering Service Company (PGESCO)
Project : Cairo North Power Plant – Module II – 750MW Combined Cycle Power Plant
Job title : Project Engineer
Job Description :

- Overall management of the Cairo North Module II project engineering deliverables, Budget, staffing, schedule, and performance. Plan and direct engineering assignments on the project.
- Interface with the Owner's management in the critical project decisions. Share the weekly project execution follow up meeting with the Owner management. Provide the required assistant/support to the project engineering team members during different bidder's negotiations.

Dates : From Apr. 2001 till Apr. 2003
Employer : Power Generation and Engineering Service Company (PGESCO)
Project : Cairo North Power Plant – Module I – 750MW Combined Cycle Power Plant
Job title : Project Engineer
Job Description : Overall management of the Cairo North Module I project engineering deliverables, Budget, staffing, schedule, and performance. Plan and direct engineering assignments on the project. Interface with the Owner's management in the critical project decisions. Share the weekly follow up

meeting with the Owner management. Provide the required assistant/support to the project engineering team members during different bidder's negotiations.

Dates : From Jan. 1999 till Apr. 2001
Employer : Power Generation and Engineering Service Company (PGESCO)
Project : Ayoun Moussa Power Plant – 640MW Thermal Power Plant
Job title : Project Engineer
Job Description : Manage and administrate Ayoun Moussa Power Plant Engineering Team during project execution stage. Interface with all Owner's meetings regarding the project implementation. Provide site support during construction, commission and start-up phase. Provide engineering input to evacuate the contracts' claims and helping in closing out the contracts.

Dates : From Apr. 1997 till Jan. 1999
Employer : Power Generation and Engineering Service Company (PGESCO)
Projects : Sidi Krir & Ayoun Moussa Power Plants
Job title : Mechanical Engineering Group Supervisor
Job Description : Supervise and administrate the Mechanical Engineering Group. Responsible for engineering design issued for construction and technical review for all electromechanical, turbine, boiler, water treatment, desalination and switchyard contract packages, submittals and interfaces. Perform all supervision functions summarized in task assignments and follow up, resource planning, personnel performance monitoring and reviews, etc.

Dates : From Mar. 1996 till Mar. 1997
Employer : Bechtel Power Inc.
Project : Aleppo Thermal Power Plants
Job title : Deputy Bechtel Site Manager
Job Description : Seconded to Bechtel site office which was responsible for providing technical/engineering support, material shipping and receiving support, clarification for supplied equipment to Mitsubishi Heavy Industry construction and commissioning site personnel. Bechtel's role is to design and supply all plant equipment/systems outside the Power Block (BOP - Balance of the Plant) and all feedwater heaters, condensers, and the turbine overhead crane inside the power block.

Dates : From May 1995 till Mar. 1996
Employer : Bechtel Power Inc.
Project : Aleppo Thermal Power Plants
Job title : Senior Mechanical Engineer
Job Description :

- Responsible for technical evaluation vendor bids.
- Responsible for submittal review vendor technical.
- Responsible for preparing the equipment list, valve list and line list.

Dates : From Jun. 1994 till May 1995
Employer : Power Generation and Engineering Service Company (PGESCO)

Projects : Sidi Krir & Ayoun Moussa Power Plant
Job title : Senior Mechanical Engineer
Job Description : On-Job Training in U.S. Bechtel Head Office for designing Sidi Krir and Ayoun Moussa Power Plants - 2 units x 320MW each, Located in Egypt.
In this capacity he was responsible for:

- Prepare Calculations for piping systems, pumps capacities, and heat exchangers loads.
- Prepare piping and instruments diagrams for different mechanical systems (Circulatory Water System, Service Water System, etc.).
- Prepare equipment specification for different types of equipment (Pumps, heat exchangers, cranes, tanks, traveling screens, etc.).
- Prepare evaluation sheets/report for the mechanical and piping contract.

Dates : From Sep. 1989 till Jun. 1994
Employer : U.S. Army Corps of Engineers
Projects : Ganaklis Air Force Base / Abou Sware Air Force Base
Job title : Senior Construction Engineer
Job Description :

- Provide training for Egyptian Officers at the construction management office regarding the performance of quality control and quality assurance for the project. Communicate with mechanical equipment suppliers and the US Army Corps of Engineers Head Quarter to ensure that all difficulties are overcome. Interpret project specifications and drawings in conjunction with the contractor and management team.
- Conduct facilities walk down and identify punch list then attend the final inspection and turn over process for the facilities on behalf of the U.S. Air Force.

Dates : From Feb. 1983 till Sep. 1989
Employer : Overseas Bechtel Inc.
Project : Shoubra El-Kheima Power Projects units 1, 2, 3 & 4
Job title : Assistant Contract Coordinator
Job Description :

- Monitoring and inspecting contractor activities for compliance with technical specifications and drawings, reviewing and monitoring contractor's construction schedule and coordinating contractor's activities with other jobsite entities.
- Verifying Mechanical Systems Completion and issuing construction completion certificates with required punch list for incomplete items.
- Review and process contractor invoices and prepare change orders and contract amendments.
- Coordinate with the contractor and the owner to resolve and settle all the contract's claims.

Dates : From Jun. 1982 till Feb. 1983
Employer : Western Petroleum Company
Project : Oil Production Company
Job title : Maintenance Mechanical Engineer
Job Description :

- Prepare and follow-up maintenance schedules for Diesel generators and crude oil transfer pumps.

- Supervise the mechanical workshop activity.

Dates : From Jan. 1980 till Jun. 1982
Employer : SECIP - French Plastic Factory
Project : Plastic Production Factory
Job title : Maintenance Mechanical Engineer
Job Description :

- Prepare and follow-up maintenance schedules for Diesel generators and crude oil transfer pumps.
- Supervise the mechanical workshop activity.

Field of experience :

- Eight years in power plants construction management with Bechtel at Egypt & Syria (1983-1989 & 1995-1997).
- Five years in air bases QA management with US Army Corps of Engineers at Egypt (1989-1994).
- Nine years in engineering department with PGESCO for power plant design in progressive positions from RE, EGS, Deputy PE & PE for Power Plants.
- Fifteen years in Corporate management with PGESCO in progressive positions from Manager of Engineering, Technical Functional Manager for Engineering, ES&H, RM and Construction management departments ending with deputy PGESCO General Manager for Technical Functions.
- Three years phasing out from executive responsibilities with application of the succession plan ending with Director for Construction management and Power Plant Operation.
- Key Positions:
 - Deputy General Manager for Technical Functions (2009-2015).
 - Manager for Technical Functions (2008-2009).
 - Manager of Engineering (2004-2010).
 - Project Engineer (1999-2004).
 - Mechanical Group Supervisor (1997-1999).
 - Deputy Construction Manager (1996-1997).
 - Field Construction Engineer (1983-1994).
 - Maintenance Mechanical Engineer (1980-1983).
- OVERSEAS EXPERIENCE:
 - 1996-1997: Aleppo, Syria (Aleppo Thermal Power Plant Construction).
 - 1995-1996: Bechtel Power Corporation, USA (Aleppo Thermal Power Plant Design).
 - 1994-1995: Bechtel Power Corporation, USA (Sidi Krir & Ayoun Moussa Power Plants Design).
- Summary of Expertise:
Wide technical & managerial knowledge and experience in Mega Power Plant Projects:
 - Power Generation Engineering & Service Co. (PGESCO) (1994-2020):
 - ❖ Projects:
 - Sidi Krir 1 & 2 (650MW Thermal Power Plant).
 - Ayoun Moussa (650MW Thermal Power Plant).
 - Cairo North I & II (1500MW Combined Cycle Power Plant).
 - Nubaria I, II & III (2250MW Combined Cycle Power Plant).
 - EI-Tebbin (700MW Thermal Power Plant).

- Cairo West (700MW Thermal Power Plant).
 - EL-ATF (750MW Combined Cycle Power Plant).
 - Sidi Krir 5 & 6 (750MW Combined Cycle Power Plant).
 - Abu Qir (1300MW Thermal Power Plant).
 - El Sokhanah (1300MW Supercritical Thermal Power Plant).
 - El-Shabab & Damietta (1500MW Simple Cycle Power Plants).
 - Giza North (2250MW Combined Cycle Power Plant).
- ❖ Area of Experience:
 Started from Senior Mechanical Engineer, through Engineering Group Supervisor, through Project Engineer, through Manager of Engineering, and currently Deputy General Manager for Technical Functions.
- Some milestone achievements:
- Support the company effort for acquiring ISO 9001 Certificate.
 - Expand the engineering team from 60 Engineers to 300 Engineers within 2 years.
 - Established and managed full program to replace the American Expats with National Engineers in different engineering department positions (Project Engineer, Group Supervisor & Engineering Specialists).
 - Planned and launch Chief Engineers' functional role & responsibilities.
 - Planned and managed off-shore yearly training program with Bechtel home office for 5 years.
 - Initiate and launch the lessons learned program within the engineering and then two years later becomes the default for all departments.
 - Planned, launched, and sponsor leadership & mentoring program within PGESCo.
 - Planned and execute upgrading the national construction staff from temporary staff to full permanent staff with all associated procedures, functional chief, and trained construction managers.
 - Sponsored the full program to automate the design review through the electronic review.
 - Planned and sponsored full electronic drawings review within the engineering.
 - Supporting fast track projects.
 - Sponsor launching ES&H Zero Accident Program.
 - Established and managed full program to replace the construction managers American Expats with National Site Managers.
 - Initiate and launched engineer's performance evaluation matrix which becomes part of the annual employee appraisal.
 - Review all projects' proposal and associated budget for concurrence.
 - Certified by Bechtel as Six Sigma champion which helps in help eliminate waste, optimize business processes and reduce defects.
- US Army Corps of Engineers (5 years QA & Construction Advisor)

(1989-1994):

- ❖ Projects: Abou Sour Air Base, Ganaklis Air Base.
- ❖ Area of Experience: Construction Technical Advisor for the Owner team members & Quality Assurance. Code application. Design review and design interpretation.

- Overseas Bechtel Inc. (7 years Construction Coordinator) (1983-1989):

- ❖ Shoubra Power Plant units 1, 2 & 3 (1000MW Thermal Power Plant), Shoubra Power Plant unit 4 (330MW Thermal Power Plant).
- ❖ Area of Experience: Contract management – Schedule Monitoring – Invoice and material take off review – Quality Assurance – Claims' analysis – Conduct daily construction follow up meeting – interface with the Owner – systems walk downs & punch list.