

Holds a B. Sc. in Chemistry and has about 37 years of solid experience in Power Plant Chemistry & the Operations of varieties of Water Treatment Systems. Involved in specification, design review, commissioning, and start-up of variety of water treatment systems, steam generators and set-up thermal power plant's chemistry management and strategies. Has experience in high pressure boiler's pre- and post-operational chemical cleaning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/02/1959
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Chemistry, Ain Shams University, 1980

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Basic and Site Specific Training on Thermal Power Plant Equipment, Systems and Application, conducted by Overseas Bechtel INC. (OBI), Cairo, Egypt.
- : On-site Training on commissioning and start-up of Water Treatment Systems, by Infilco Degremont Inc. (IDI) for Shoubra El-Kheima Thermal Power Plant, Cairo, Egypt.
- : On-site Training on Boiler Alkaline Boiling Out and Acid Cleaning, conducted by Ansaldo Componenti spa., Cairo, Egypt.
- : Planning and Budgeting, conducted by Technology Transfer Institute (TTI - Canada), at Saudi Arabia.
- : Project Management and Cost Engineering, conducted by the American Association of Cost Engineers (AACE) Arabian Gulf Section, Saudi Arabia.
- : First Line Supervisory, conducted by SCECO Management Training Center, Saudi Arabia.

- : SAFETY - The Management Function, conducted by the International Center for Management Development (ICMD), Saudi Arabia.
- : Time Management, conducted by SCECO Management Training Center, Saudi Arabia.
- : Managing Employee Performance, conducted by SCECO Management Training Center, Saudi Arabia.
- : Technical Report Writing, conducted by Franklin Quest Consulting Group, USA, at Saudi Arabia.
- : Company Policies and Procedures, conducted by SCECO Management Training Center, Saudi Arabia.
- : Industrial Corrosion Control, conducted by the International Center for Management Development (ICMD), Saudi Arabia.
- : Strategic Planning and Budgeting Seminar, conducted by SCECO Corporate Planning Department, Saudi Arabia.
- : Creative Thinking, conducted by SCECO Management Training Center.
- : Neuro Linguistics Programming (NLP), conducted by O. A. Al-Kheriji Training & Consultants Office (Kuwait), for SCECO Management Training Center, at Saudi Arabia.
- : Managing Interpersonal Relations (MIR), conducted by SCECO Management Training Center, Saudi Arabia.
- : Decision Making & Problem Solving, conducted by SCECO Management Training Center, Saudi Arabia.
- : Tahseen Primary (Team Leaders & Members), conducted by SEC-EOA Management Training Center, Saudi Arabia.
- : Advanced Facilitation, conducted by SEC-EOA Strategic Development Department and Management Training Center, Saudi Arabia.
- : OHSAS 18001 Foundation Training, conducted by SGS Inspection Services Saudi Arabia Ltd. for Marafiq.
- : Hazards Identification & Risk Assessment (HIRA), conducted by Marafiq ISD / Loss Prevention Department.
- : The Manufacturer Games (TMG), conducted by Strategic Asset Management Inc. (SAMICORP), USA for Marafiq KSA.
- : Marafiq Core Value Facilitator (Noor Program), conducted by Ernst & Young Consulting, for Marafiq KSA.
- : Basic Negotiation Skills, conducted by GABEL Consultants, for Marafiq KSA.
- : Safety Leadership Workshop, conducted by Jomc Ltd. and British Safety Council, for Marafiq KSA.
- : Multi Effect Distillation (MED), conducted by ILF Consulting Engineers by Dr. Corrado Sommariva, for Marafiq/SETE KSA.
- : Multi Effect Distillation (MED), conducted by Leading Edge Technologies (LET) by Mr. Leon Awerbuch, for Marafiq KSA.
- : Multi Effect Distillation (MED), conducted by Doosan Heavy Industries and BWA Water Additives, for Marafiq KSA.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2018 till now
- Job title** : Independent Consultant Power & Water Utilities
- Job Description** : Consultancy Service.

Dates : From May 2005 till May 2018
Employer : Marafiq - Power and Water Utility Co.
Projects : Jubail & Yanbu - KSA
Job title : Laboratory Superintendent
 (4x127 – 138.5MW & 5x250MW steam turbines – 9x60MW Gas Turbine – 6x380 m³/hr. & 3x570 m³/hr. MSF - 6x350 m³/hr. RO – 2x1,150 m³/hr. MED, 48,000 m³/hr. IWTP & 2,240 m³/hr. SWTP)
Job Description :

- Plan, develop and execute Marafiq–Yanbu Central Laboratory Project with four specialized testing laboratories (Oil & Fuel, Water, Wastewater and Microbiological).
- Plan, develop and execute Marafiq–Yanbu Satellite Laboratory for Marafiq Yanbu – II Power & Water utility.
- Review the Steam generator's (Water/Steam Cycle Treatment) and modify for optimum performance and cost reduction.
- Comply with Local and International Environmental Regulations, Codes and Guidelines in testing, reporting and maintaining water, wastewater, and gases emission levels.
- Develop for Marafiq, a well-recognized, Electrical Insulating Oils testing laboratory capable of oil testing in accordance to ASTM, IEC & IEEE. Lab developed testing programs are recognized by Doble Engineering Company USA, Lab director during audit.
- Develop SOW and lead the execution of (Boiler Integrity and Life Assessment) for 127MW boilers with the boilers' OEM (MHI).
- Assess demineralization plant and condensate polishers' performance and demonstrate improvements with new operating regime.
- Assess existing Sodium Hypochlorite Plant performance and develop specification and conceptual design for new Seawater Electrolytic Modules Generating 900 kg Cl₂/hr.
- Assess HRSG Water Conditioning Performance.
- Develop several operations and maintenance instructions for Steam Power Plant Water Treatment and Lubrication Oils.
- Review overall processes integrity and looking for area of improvement and cost saving.
- Administrate organization's setup of 27 professional in several categories in addition to supportive vendors and contractors.

Dates : From Mar. 1988 till May 2005
Employer : Saudi Electricity Co.
Project : Qurrayah Power Plant, Dammam - KSA
 (4x625MW Steam) – MSF 3x4000 m³/hr. DI 3x85 m³/hr., 3x80 m³/hr. potable water
Job titles :

- Plant Engineer II
- Desal & Lab Supervisor
- Plant Chemist
- Desal Shift Supervisor

Job Description :

- Oversaw the Water Treatment Systems Operations and develop Operational Standard Procedures.
- Conducted water treatment systems efficiency and performance measurements.
- Developed and monitor Plant Environmental Protection Program and

prepare plant reports.

- Replaced existing Sodium Hypochlorite generation plant with new one, capacity 1,256 kg Cl₂/hour. Handled the project from conceptual design, writing scope of work, and up to execution phase.
- Contribute in reviewing Ghazlan Power Plant II Project design and commissioning packages.
- Performed chemical cleaning for high pressure boilers, electro-chlorination modules, desalination plant and heat exchangers.
- Established and implemented plant Corrosion Control Program (since 1999).
- Prepared necessary Engineering Instruction packages for system's modifications and present it for management review and approval.
- Oversaw Fire Protection Systems testing, inspection, design review, modification and risk assessment and supervises on-site fire contractor's activities.
- Oversaw department safety procedures and strategies and prepares necessary statistical reports.
- Prepared contracts' technical scope of work for water treatment systems, boilers chemical cleaning, corrosion control program, etc.
- Reviewed operational incident reports and record for water treatment systems.
- Reviewed water and oil quality reports and provide necessary guidelines to Laboratory and Plant Operations.
- Reviewed and improve Preventive Maintenance Program and equipment overhauling frequency.

Dates	:	From 1982 till 1988
Employer	:	Egyptian Electricity Authority (EEA)
Project	:	Shoubra El-Kheima Power Plant (4x350MW Steam Plant)
Job title	:	Sr. Shift Chemist
Job Description	:	<ul style="list-style-type: none">• Responsible for commissioning, start-up and operation of the water treatment plants such as demineralizers, condensate polishers, waste water treatment, raw water pre-treatment, potable water, and liquid chlorine dosing units and activated sludge sewage plant.• Performed the pre-operational boiling out and acid cleaning for the natural circulation boilers.• Maintained the quality of the water and oil for the main generation units and the auxiliaries.• Issued field reports for interruption of the operating equipment and proposed the necessary modifications to achieve the maximum efficiency.• Instructed and trained employees and trainees in plant duties.