

Holds a B. Sc. in Mechanical Power Engineering and has about 33 years' experience working in design and technical office.

## **PERSONAL DATA**

Nationality : Egyptian  
Gender : Male  
Marital Status : Married  
Residence : New Cairo

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Alexandria University, 1989

## **LANGUAGES**

Arabic : Native Language  
English : Excellent  
French : Fair

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Veolia in-house training in MBBR Treatment systems.
- : Veolia in-house training in Actiflo/Multiflo treatment systems.
- : CEDI treatment training, Veolia Egypt BU, Egypt.
- : OB, Organization Behavior training course.
- : 3 months Training, Mechanical Works at Alexandria Petroleum Co.
- : 3 months Training, Cranes, Hoisting Equipment, PVC Pipes, Fault diagnosis & Troubleshooting of Pumping Systems, Pumps Operation and Maintenance, Cairo University.
- : 3 months Training, Water Treatment Plants, The Environmental Eng, Department; the American University in Cairo (AUC).
- : 3 weeks Pre-School Training, Schlumberger Wireline & Logging works, Ras-Shukeir, Red Sea.
- : 3 months Training, American Language Course up to Volume 2600, Defense Language Institute Center.

- : Computer Software Courses at Alexandria Shipyard covering: MS DOS, MS WINDOWS - BASIC Language - DBASE III + MS OFFICE - AUTOCAD Rel. 14, Acad R2006, R 2020) - MS PROJECT, TIMELINE (Project Planning).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2018 till now
- Employer** : VATECH WABAG, EGYPT BRANCH
- Projects** :
- Port Said WWTP (C9) NOPWASD Phase I and II SBR system project (40000m3/d extendable to 80000 m3/d)
  - El-CAP WTP capacity of 26000 m3/d, participate and review project's equipment technical submittals and detailed engineering activities
  - Ismailia WTP, capacity of 180000m3/d, participate and review project's equipment technical submittals and detailed engineering activities
  - El-Bakarsha WTP, Capacity of 600-1200 L/S, participate and review project's equipment technical submittals and detailed engineering activities
  - Monshaat Radwan WWTP, NOPWASD Capacity of 20000m3/d, participate and review project's equipment technical submittals and detailed engineering activities
  - Supervising technical study, supporting proposal team in preparation of Water and waste water treatment plants; Tenders, examples Al Hussaynia WWTP 15000 m3/d SBR plant - Gelbana/Takadom WWTPs, 5000 to 10000m3/d AS extended aeration plants - Seneta 15000 WWTP SBR plant - Qantara Sharq rehabilitation of oxidation ditch existing plant into tertiary treatment system, etc.
  - Zafar sewage treatment plant Tender, 9000 to 12000 m3/d, using MBBR technology, using Wabag's Switzerland BU Patent "Fuopur" MBBR media.
  - 4 Shaqiya STPs, Tender, 7500, 10000, 12000 and 15000m3/d using SBR technology.
  - Zawyet Karadsa WWTP, 13200m3/d, Conventional Activated Sludge Treatment (CAS), Fayoum, HCWW (Holding Company for Water & Wastewater) – Stantec, Suez, EGRC & ERCC.
  - Zaghlou Bahary WWTP, EIB (European Investment Bank), 15000 m3/d, Extended Aeraiton System (EAS), Motobus, Kafr el-Sheikh.
  - Kamaysha WWTP, 9MLD, MBBR, IFAS technology, The World Bank & Asian Infrastructure Investment Bank (AIIB).
  - Genag & Negreeg WWTP(s), 6000 – 7000M3/d & 5000-6000M3/d MBBR with Lamell clarifier technology, The World Bank & Asian Infrastructure Investment Bank (AIIB)
- Job title** : ENGINEERING MANAGER & HEAD OF TECHNICAL OFFICE
- Job Description** : Prepare/ review Design, Process, Hydraulic calculations, P&ID preparation, civil guide drawings, plant layout, piping general arrangement, workshop drawings, skids' GA/Fab., MTO and as-built drawings for WWTP, WTP, RO, Boosting stations & filtration systems for Tender study and detailed engineering phases.
- Dates** : From Feb. 2009 till Mar. 2018
- Employer** : VEOLIA WATER SYSTEM EGYPT Technology

## Projects

- : • Mopco Phase I and II Zero liquid discharge projects (2 x 240 M3/hr; phase I + Treatment of phase I Brine; phase II).
- Ain Sokhna supercritical thermal power plant (2 x 650MW Gas/oil fired units water treatment plant including demin, desal, C. Polisher, oil separators, all chemical treatment sumps, neutralization system, STP, air heater backwash water treatment unit, hypochlorination system, etc. tender and detailed engineering phases.
- WTP Sinbelaween 800 Lit/Sec.
- WTP Husayynia 800 Lit/Sec.
- STP For Air Craft Factory (ACF), 20000M3/Day, MBBR new technology.
- STP For Air Craft Factory (ACF), 10000M3/Day, MBBR new technology.
- STP For Qaha food and Beverage Factory, 8000M3/Day, MBBR new technology.
- Demin System for Eastern Company (det. Engineering for Demin; Act. Carbon filters, Cation, Anion and neutralization system.
- STP for Um Dinar Village, 25000M3/Day, MBBR new technology.
- STP for Qassasine City/Ismailia, 20000M3/Day, MBBR new technology.
- 5\*750 m3/day STP for Sahl Hasheesh Resort, Hurghada.
- 20,000 m3/day MBR STP for Montaza Resort Sharm El Sheikh.
- 5000 m3/day Brackish water RO for Life Sinai Program (USAID).
- 2x500 m3/day Brackish RO plant for Al masryeen Ras Alam.
- 60000m3/d surface water treatment plant for Kafr Alzayyat city.
- Water Treatment and Desalination systems - Al Ain El Sokhna supercritical Thermal Power Plant (2x650MW Plant).
- Water Treatment Plant (RO and ultrafiltration system); Diewanya power plant, Iraq.
- 40000m3/DayAl- Yousr Reverse Osmosis Desalination plant, Hurghada, Egypt.
- Mopco ZLD (zero liquid discharge) plant.
- Emethanex ZLD plant.
- Assiut Power plant 1000MW.
- Rehabilitation Kima 1 STP 30000 m3/d MBBR-AS.
- Rehabilitation Kima 2 STP 45000 m3/d MBBR-AS.
- Halayeb, Abu Ramad & Shalateen 4 x 1500 m3/d SWROs.
- New Capital Power plant 4800MW
- South Helwan Power plant 3x650MW.
- Kima 1 STP, MBBR 30000m3/d.
- Kima 2 STP, MBBR 45000m3/d.
- Beyti Industrial waste Treatment plant 3200m3/d (MBBR).
- New Ismaelia WWTP 20000 m3/d MBBR.
- Seriakos WTP Dynasand Filter 145000m3/d.
- Farshout WTP UF 1440 M3/h.
- Silla WWTP 10000m3/d.
- Azab WWTP 10000 m3/d.
- Dabaa WWTP 14000m3/d.
- Farshoot Water treatment plant, UF system 400L/s.
- Gamasa WTP 400-800 L/S.
- Deshna WTP 400-800 L/S.
- El-Sheen WWTP, 25000m3/d.
- Hawamdya WTP, 70000m3/d.

- Job title** : ENGINEERING MANAGER, MECHANICAL, PROCESS DESIGN ENG.
- Job Description** : Responsible for Design, Hydraulic calculation, P&ID preparation, civil layouts, piping general arrangement, workshop drawings, skids' GA/Fab., MTO and as-built drawings for STP, WTP, RO, Boosting stations & filtration systems.
- Dates** : From 2001 till 2009
- Employer** : AMERICAN ENGINEERING SERVICES (AES), KSA
- Projects** :
- Port Said RO desalination plant, 2 x 20000m3/d
  - RO system for Mahad Al Dahab Aramco Site
  - STP for Qatif Gosp 2 South Plant, ACBI (USA), Aramco Site.
  - STP for SNAMPROGETTI (Italy), Aramco Site.
  - Revamping of existing (St. St.) Water Treatment Plant at Yamamah Palace in Riyadh.
  - STP for Prince Turki Brigade Head Quarters in Riyadh.
  - SWRO /Grey water/SBR, STP plants for Cornich Garden Tower in Jeddah.
  - SWRO for Bahrain International Airport (BEMCO).
  - Saudi Oger International (France): Rawda Palace WTP.
  - Saudi Oger International (France): Rawda Palace swimming Pool & Fountains.
  - Saudi Oger International (France): ORB (Official Recept. Building) WTP Yamamah Palace in Riyadh.
  - Saudi Oger International (France): Janadriyah STP.
  - Saudi Oger International (France): Obhur Swimming Pool, Jacuzzi & Fountains.
  - RO Plant for SPC (Syrian Petroleum CO.).
  - RO Plant for Zaid Al-Hussein in Dammam.
  - RO Plants (1, 2 & 3) for Al-Qahtani pipes factory in Dammam.
  - RO Plant for Security Forces Hospital in Riyadh.
  - RO/Grey water Plants for Al-Hokair land.
  - RO /STP/Fountains Plants for Al-shatri villa in Dammam.
  - Containerized RO for Jizan.
  - Containerized RO for Al-Safi.
  - SABIC Head Quarter 6 fountains.
  - Saudi Oger Booster station (Prince Abdulla Military City) in Hoffuf.
  - RO for King fahd Holly QURAN Press in Mdinah.
  - RO system for Qurayah Aramco Site.
  - Saudi Oger International (France): R.O. Janadriyah.
  - STP for KHAFJY (Saudi/Kuwait borders), Aramco.
  - RO Plants for Abqaiq, Aramco (Petrocon).
  - RO Plant for Berri, Aramco.
  - RO Plant for Shedgum, Aramco.
  - STP Plant for Hawiyah, Aramco (JGC).
  - RO Plants for Khursaniyah, Aramco (Snamprogetti).
  - Produced Water Treatment plant, Sudan (PETRODAR, MOTT Mcdonald).
  - Utility Water Treatment plant, Sudan (PETRODAR, MOTT Mcdonald).
  - RO Plant for PDOC, Sudan (PETRODAR, MOTT Mcdonald).
  - Filtration System, Khurais, Aramco (Snamprogetti).

**Job title** : • RO Plant for Energy Center, Bahrain Elec. Co (36000M3 /D). ASSISTANT ENGINEERING MANAGER, MECHANICAL, PROCESS DESIGN ENG.

**Job Description** : Responsible for Design, Hydraulic calculation, P&ID preparation, civil layouts, piping general arrangement, workshop drawings, skids' GA/Fab., MTO and as-built drawings for WTP, RO, Boosting stations, Swimming pools & filtration systems.

**Dates** : From 1998 till 2001

**Employer** : USF PERMUTIT / VIVENDI, EGYPT

**Projects** :
 

- Falcon Village STP.
- Oberoi Village STP.
- Reef Oasis R.O.
- Tushky STP.
- Fantasia R.O.
- Mirage City STP.
- Obor Pumping Station no.4 Chlorination System.
- Obor Pumping Station no.5 Chlorination System.
- Golden beach STP.
- Sharm EiSheikh Chlorination System.
- Assiut Authority of Electricity; Refurbishment of Demineralisation piping and equipment system, Ferrochloride, lime and raw water treatment plant Piping system.
- Four Seasons STP.
- Lascianda STP.
- Aswan Chlorination System.
- Al-Fayrouze STP.
- Tanta Soap & Oil Company (Industrial Waste Treatment).

**Job title** : Senior Mechanical Design Engineer

**Job Description** : Responsible for design & calculation of all Piping & mechanical works related to (Remix & Permixon) Sewage Plants, R.O units and industrial waste treatment (using ACAD).

**Dates** : 1998

**Employer** : KHALDA PETROLEUM CO.

**Projects** :
 

- Salam Abu. Elgharadig 18" Pipeline Basic Engineering Review (with Germany Engineering Co.).
- Complete As-built drawing preparation for Salam Water Injection Plant.
- Portable test separator Engineering Follow up & Fabrication Supervision

**Job title** : SENIOR PIPING ENGINEER

**Job Description** : Responsible for preparation of Piping & Equipment General Arrangement Drawings, Piping Isometrics, Material Take-off Lists, Piping Material Specifications.

**Dates** : From 1996 till 1998

**Employer** : Engineering Consultants Group, Cairo

**Projects** :
 

- Esso new Lube Oil Blending Plant, 10th of Ramadan City.
- Al-Zarqa Refinery, Jordan.
- Sugar & Integrated Industries Company.

- Kom Ombo Sugar Factory Rehabilitation Project.
  - Abu-Korkas Beet Sugar Factory.
  - Aluminium Sulphate Production Plant.
- Job title** : SENIOR PROCESS & PIPING ENGINEER
- Job Description** : Responsible for preparation of Piping & Equipment General Arrangement Drawings, Piping Isometrics, Material Take-off Lists, Piping Material Specifications, Basic Eng. and Tender Documents for Process Piping, Water Supply, Fire-Fighting, Drainage Systems, Plumbing Works and other Mechanical Systems Utilizing Computer Aided Design/Drafting System and AutoCAD.
- Dates** : From 1993 till 1996
- Employer** : CAIROMATIC
- Projects** :
  - Assiut Cement Company Water Treatment Plant.
  - Beba / Al-Fashn Water Treatment Plant.
  - Zagazig Water Treatment Plant.
  - Al-Menya Pumping Station.
  - Ras-Ghareb Pumping Station.
  - Isamailia High Way Gardens Irrigation System & Pumping Station.
  - Also engaged in Installation of two Water Treatment Plants at Assiut and Beni-Swaif, and Construction of a 17 km, 20" Underground Water Pipeline including Pipe Fabrication, Pipe Laying, Welding, Hydrostatic Testing, WTP Commissioning & Start-up and Preparation of As-built Drawings as well.
- Job title** : SENIOR PROCESS & PIPING ENGINEER
- Job Description** : Responsible for Project Coordination, Preparation of Design Studies and Basic Engineering Drawings (PFD's & P-ID's), Piping General Arrangement Drawings, Piping Isometrics, Hydraulic Calculations for Pumps and Piping, Material Take-off Lists, Line Lists, Equipment Lists, Data Sheets and Material Specifications.
- Dates** : From 1992 till 1993
- Employer** : PETROJET
- Job title** : Planning & Site Engineer
- Job Description** : Responsible for Coordination and Follow-up of Project Activities for installation of a 16" Gas Pipeline (Suez).
- Dates** : From 1989 till 1992
- Project** : Military Prefabricated Concrete Walls Factory - Tanta PVC Production Factory, Ministry of Public Works and Water Resources
- Job title** : Production & Maintenance Engineer
- Job Description** : Responsible for Maintenance and Supervision of PVC Pipes Production Line.
- Field of experience** :
  - An excellent communicator who is always articulate and well presented.
  - Creating an engineering environment that encourages innovation and continuous improvement.
  - Always contributing to best practice in all areas of work.
  - Ability to work with people at various levels from shop floor to senior

management.

- Receiving and reviewing feedback from clients.
- Outstanding leadership abilities, leading a team of 15 mechanical and electrical engineers and CAD staff, Responsible for Design/review, Hydraulic calculation, P&ID preparation, civil layouts, piping general arrangement, workshop drawings, skids' GA/Fab., MTO and as-built drawings for WWTPs, WTP, IWWTP, RO, Boosting stations & filtration systems.
- Prepare, check and verify designs and issue their ready and executable drawings to site for construction.
- Providing full and enough information to drafting team in to produce detailed design and drawings.
- Checking and identifying any discrepancies between clients/designers in coordination with high level managers.
- Coordinating with different disciplines and make sure our product is complying with projects' standards and specs.
- Supporting my team, training them to improve and increase their productivity.
- Coordinating any related work with other engineers and drafters to meet project and client requirements.
- Past experience of more than 8 years in GCC (KSA); Riyadh in the water treatment field as design deputy manager and executed huge projects with reputable Clients like ARAMCO, Saudi Oger and SABIC, ...
- Ability to prepare detailed engineering for water treatment plants (sewage, potable & Reverse Osmosis plants).
- Plant study, preparing P&I Diagrams, layouts, piping general arrangements, isometrics, BOMs., Workshop drawings.
- Hydraulic calculations (lines losses, pumps selection, sizing and checking).
- The above can be done for all related water treatment work (during tender and detailed engineering phases); surface water, municipal & industrial treatment plants, RO (brackish and sea water), Boosting stations, filtration systems, etc.
- Very good interpersonal and communication skills.
- Ability to work under pressure and to deal with multiple tasks.
- Teamwork.