

105960-CHE-18DMOS-E-2012

Senior Process Design Engineer

Holds a Bachelor of Chemical Engineering and has about 8 years hands-on experience working as Design, Proposals and Process Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/11/1990
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: Bachelor of Chemical Engineering, Cairo University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Visio
: MS Project
: AutoCAD P&ID
: ROSA / WAVE of DOW
: GPS-X: Wastewater treatment plants simulation

TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional (Jul. 2018), with Eng. Mohamed O. Raslan – a certified Instructor form PMI.
: Participant in the project management workshop (IMPACT) organized by STP (the leading student activity in the Faculty of Engineering, Cairo University) (2009).
: Trainings at:

- Cairo Oil Refining Company (two weeks) (Sep. 2010).
- Agiba Petroleum Company (two weeks) (Aug. 2010).
- Suez Oil Refining Company (one day field visiting) (Oct. 2009).
- Lab training at Faculty of Engineering, Cairo University (Jul. 2009).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2021 till now
Employer : Metito Africa Regional Headquarters
Job title : Senior Process Design Engineer
Job Description :

- Review client technical specifications.
- Evaluate, select and apply the most suitable techniques and procedures for the treatment of contaminated water.
- Prepare / review engineering documents, including:
 - Process flow diagram.
 - Detailed process design calculation.
 - Detailed hydraulic calculation.
 - Piping & instrumentation diagram P&ID.
 - Mass balance.
 - Equipment sizing / selection.
 - Equipment / line / valve lists.
 - Equipment data sheets.
- Participate in technical meetings with client / consultant to finalize technical affairs and to follow up engineering progress.
- Cooperate with other departments to ensure delivery of work according to the project schedule.
- Prepare / review commissioning documents, including equipment testing / commissioning procedure, start-up procedure, process reliability test procedure, O&M manuals.
- Participate in site operation/startup troubleshooting (if required).
- Assist, support and follow up with members of the Process team.

Dates : From Jul. 2015 till Mar. 2021
Employer : Engineering Solutions Group (ENSOL)
Job Description :

- Design & Proposals Engineer:
 - Design technical aspects, prepare equipment list, estimate cost and prepare technical proposals for wastewater treatment plants with various processes as extended aeration, MBBR, MBR, RBC according to the Egyptian code and Metcalf & Eddy reference.
 - Design and perform projection, prepare equipment list, estimate cost and prepare technical proposals for reverse osmosis (RO) plants.
 - Design for water pre-treatment / water purification units as Multimedia filters, Carbon filters, softeners.
 - Develop relationships with different suppliers in Egypt or worldwide like USA, UK, China and Saudi Arabia for the best equipment selection and pricing.
 - Site visits for process inspection and evaluation.
 - Provide execution management tools including cost control and time schedule reviews.
 - Participate in unit's installation, start-up and preparing operators training.
- Process Engineer (in power stations boilers chemical cleaning):
 - Plan, lead and coordinate activities involving chemical cleaning.
 - Inspect work areas to determine optimum service line, time,

- manpower and equipment needs for project completion.
- Supervise taking samples and chemical lab analysis to assure that the process is performed according to required results.
- Ensure safe working conditions and compliance with health and safety legislation.
- Commissioning Engineer:
 - Carry out and keep track of proper commissioning documentation including test procedures, investigate problems, repair and troubleshoot.
 - Liaise and coordinate with internal and external parties pertaining to project requirements.
 - Managing the testing and commissioning of water and wastewater facilities.
 - Oversee the systems, plant and equipment installation.
 - Perform pre-commissioning and commissioning works.

Dates : From Jan. 2015 till Apr. 2015
Employer : Houseman Egypt for water treatment
Job title : Field Service Engineer
Job Description :

- Carry out site visits.
- Supervise applying water treatment programs for boilers, steam generators, cooling towers, chilled water systems.
- Take all possible corrective actions and provide all necessary technical support for clients.