

Holds a B. Sc. in Mechanical Engineering and has over 8 years' experience in water and wastewater plant, handling all hazards during constructions.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/12/1991
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Mansoura University, 2014

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Elite Fire Fighting

TRAINING COURSES AND CERTIFICATIONS

: PLC (Sep. 2014).
: Fire Fighting (Feb. 2014).
: Summer Intern as Mechanical Engineer at Ezz Dekheila Steel Company (2012 & 2013).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2014 till now
Employer : Arabic Engineering Office (AEO) and The Egyptian Engineering Company (EEC), 6th of October City (Egypt)
Job title : Mechanical Engineer
Job Description :

- Being overall responsible for planning, constructions, testing, commissioning and handing-over stages per the objectives set out in the business plan to ensure project delivery within the set project cost, time and quality outcomes.

- Comprehensive knowledge of methods and applications of water, wastewater, drain, testing, commissioning, decommissioning and start-up pump room.
- Knowledge of fluid systems, pumps, compressors, piping and valves.
- Familiar with operations of mechanical utilities, including water treatment facilities, pump room for firefighting, design review and subcontracting.
- Project management processes (Scope-Time-Cost-Quality, etc.).
- Manufacturing and erection of water potabilization plants and wastewater treatment plants.
- Installation and operation of water hammering systems.
- Maintenance of valves (Gate, ball, and butterfly) with different diameters.
- Maintenance of many types of pumps (Bearings, couplings, mechanical seal, etc.).
- Strong problem solving and decision-making skills, effective planning and organizational capabilities.
- Strong written and verbal communication skills and works successfully within a team environment.
- Ability to work with minimum supervision and handle multiple tasks.
- Determination of laying methods and installation time.
- Provide suggestion during incident investigations.
- Advice on corrective actions and developing innovative solutions.
- Projects:
 - Bahariya Oasis, New Valley: 2 water treatment plants for elimination of iron and manganese (300 m³/h/each) (Mechanical Construction Engineer)
 - Asyut, Sohag, Qena and Luxor (Upper Egypt): 25 compact water treatment plants (100 m³/h/each) (Mechanical Construction Engineer):
 - ❖ Prepare inspection sheet and procedure to any mechanical, civil works, as well as construction activities and coordinates: water supply – pump room – sand filters - valves and valves chambers – pipe welding – installation – laying – testing – as built drawings.
 - ❖ Study and evaluate projects in respect to planning, cost, labour and equipment.
 - ❖ Study and review the pipeline design (Shop drawings), scoop of work, coordination to all activities, time schedule and cost estimation.
 - ❖ Prepare and study MTO for each activity, deals with suppliers as well as material delivery notes and keeping it fulfilling suitable conditions.
 - Gharbeya Governorate: New Intake for Bassyoun main water station (660 L/sec) (Senior Mechanical Construction Engineer):
 - ❖ Report to the project manager, with primary responsibility for supervising all assigned team engineers, supervisors and comprising deal with owner & consultant engineer.
 - ❖ Management of field supervision and coordination of all construction activities and installations (Piping – pump room – firefighting).
 - ❖ Supervise site engineers, supervisors and contractors' staff in the assigned area.
 - ❖ Study and review pipeline design, scoop of work, schedule,

- performance curves and cost estimation.
 - ❖ Determination of laying methods and installation time as well as coordination and review with technical Office.
 - ❖ Ensuring the last revisions of the drawings of the site, reviewing the design and verifying the construction activities as per the approved drawings and procedures.
- Marsa Matruh Governorate: El Dabaa wastewater treatment plant and compact wastewater unit (1000 m³/d) (Project Manager Engineer)
- Water stations for greenhouses for National Co. for Agricultural Reserves, El Hammam, Marsa Matruh – 10th of Ramadan – Abu Sultan, Ismailia (100 m³/h) (Project Manager Engineer)
- Acid and acetone tanks with pumps system (Heliopolis Co. for Chemical Production, Military Factory 81) (Project Manager Engineer):
 - ❖ Management of field supervision and coordination of all construction activities and installations (Piping – pump room – firefighting).
 - ❖ Supervise site engineers, supervisors and contractors' staff in the assigned area.
 - ❖ Study and review pipeline design, scoop of work, schedule, performance curves and cost estimation.
 - ❖ Determination of laying methods and installation time as well as coordination and review with technical office.
 - ❖ Ensuring the last revisions of the drawings of the site, reviewing the design and verifying the construction activities as per the approved drawings and procedures.
- Anti-Water Hammering Systems (Mechanical Project Engineer):
 - ❖ Different types: Compressor – bladder – self-aerated vessel (SAV).
 - ❖ Responsible for the installation of water hammer tank and all accessories of the system.
 - ❖ Doing the start-up processes for the system.
 - ❖ Locations:
 - Toshka new intakes (MadKour Co.).
 - Mostakbal City water station and irrigation tanks (SIAC).
 - Basioun new intake (El Abd Construction Co.).
 - 10th of Ramadan intake, booster and treatment plant (Bamag Egypt).
 - Desouq, El Mahmodia and Mashtol El Souq water treatment plants (Bamag Egypt).
 - Abu Sultan intake for greenhouses (National Co. for Agricultural Reserves).
 - 1600-acre wastewater treatment plant (The Arab Contractors).
 - El Mahalla El Kubra wastewater Treatment plant (EGYCO).
 - Abu Rawash wastewater treatment plant (The Arab Contractors).
 - Uptown Cairo Project wastewater treatment plant (Eamar and Agroscipe).
 - El-Snblawen wastewater treatment plants (Hassan Allam).

- Al Burouj Compound water treatment plant and irrigation system (Kharafi National).

Technical Skills:

Pump selection, plumbing, welding, pipe sizing and management.