

Holds B. Sc. and M. Sc. in Mechanical Power Engineering and has over 7 years experience, including 6 years working as Piping Design Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/06/1992
Gender : Male
Residence : Nasr City, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Benha University, 2014
: M. Sc. in Mechanical Power Engineering, Benha University, 2018

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AVEVA (PDMS & E-3D)
: AutoCAD Plant 3D
: Caesar II
: AutoCAD 2D & 3D
: Navisworks
: Solid Works

TRAINING COURSES AND CERTIFICATIONS

: Training in Rashid Petroleum Company for one month (2014).
: Training in Helwan Fertilizer Company for one month (2013).
: Training in Cairo North Power Station for two months (2012).
: Training in Cairo for Development & Cars Manufacturing (PEUGEOT) (2011).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2021 till now
- Employer** : Onspec Tawakol Engineering & Contracting
- Projects** :
 - Piping design of Produced Water Treatment Project / GPC PETROLEUM COMPANY / PETROJET
 - As Built for VCM Plant using Laser Scanning / EPC PETROLEUM COMPANY / PETROJET
 - Piping design of Medium Density Fiberboard (MDF) Factory / WOTECH / PETROJET
 - Piping design of NEOM Circular City Water Storage Reservoirs / NEOM / ARTELIA
 - Piping design of MIDOR Refinery Expansion Steam Blow / Technip-FMC / ENPPI / SÁPESCO
 - Piping design of ZOHR Field Units Steam Blow / Eni / ENPPI / SÁPESCO
 - Basic Engineering Works for AES-E6 Oil and Gas Production Facility / PETROSANAN
 - Piping design of Steam Jacketing for SOPC Asphalt Tanks / PETROJET
 - Basic Engineering Works for Oil and Gas Production Facility / GPC / GEMPETCO
- Job title** : Senior Piping & Layout Engineer
- Job Description** :
 - Integrate and execute pre-FEED, Basics and Detailed engineering for oil & gas projects.
 - Perform Underground piping design and coordination plan.
 - Prepare and design General Plot Plan and above ground piping.
 - Generate and check all the piping drawing package such as: Plant layout, Equipment Plot Plan, GA's, MTO's, Isometrics and Support drawings (standard and special).
 - Coordinate with different disciplines to achieve a secure piping design.
 - Develop piping material specifications, Wall thickness calculation and Valve specifications.
 - Provide feedback on vendor drawings, process package, stress analysis report and input data.
 - Perform As-Built modeling by using laser scanning and the point cloud model.
- Dates** : From Sep. 2016 till Jun. 2021
- Employer** : [EGYPTROL](http://www.egyptrol.com)
- Projects** : Piping design for:
 - French Fries Processing Plant / Armed Forces
 - UAE - Al Layah small bore Power Plant / ELSWEDY (PSP)
 - ASSIUT CP-118 small bore Power Plant (650MW)
 - Mantrac - CHP Biogas Genset Power Plant (5x2MW)
 - Unatrac - Sokoto Nigeria Power Plant (7x3MW)
 - EMC - Farfra Diesel Power Plant (4x4MW)
 - Sápesco - ANRPC steam blow
 - Rehabilitation for SDX-ENERGY Petroleum Plant
 - Korra Energi of Gas Compression Plant BADR FIELD

- MATROH Water Desalination Plant - 24000m³/Day
- Job title** : Lead Piping Design Engineer
- Job Description** :
- Prepare and design complete 3D modeling for all plant facilities such as Equipment's, Buildings, Structures, Supports, Electrical cable trays.
 - Create piping 3D-Model as per project P&ID's considering contract requirements, work instructions, installation guidelines and international codes & standards.
 - Develop and check all the piping drawing package such as: Plant layout / Plot Plan, GA's, MTO's and Isometric drawings.
 - Integrate piping catalogues and SPECS of all projects (Admin module).
 - Coordinate between different disciplines to integrate a secure piping design.
 - Utilize and good awareness with international Codes, standards, Specifications.
 - Review P&IDs / Process package and modify it according to site/piping requirement.
- Dates** : From Mar. 2016 till Sep. 2016
- Employer** : Egypt Anode Factory - the Egyptian Holding Company of metallic industries
- Job title** : Mechanical Maintenance & Site Engineer
- Job Description** :
- Installation & Maintenance of heavy-duty machines i.e. (Belt Conveyor, rotary furnaces, compressors, pumps, heat exchangers, bucket elevator, fans, motors, engines, etc.).
 - Supervisor on Installation and commissioning process.
 - Reverse engineering and design of spare parts such as couplings, shafts, rollers, piping fabrication, etc.).
- Dates** : From Nov. 2015 till Mar. 2016
- Employer** : Al-Salam Higher Institute for Engineering and Technology
- Job title** : Teaching Assistant
- Job Description** :
- Delivered Courses:
- Thermodynamics.
 - Fluid Mechanics.
 - Heat Transfer.
 - Power Station.
 - Turbo-machinery.
- Field of experience** : More than 7 years of experience in developing a complete piping design and standards such as ASME, API, ASTM, ISO, etc. considering contract requirements, work instructions and installation guidelines to integrate a secure piping design by using different software's (AutoCAD Plant 3D and AVEVA PDMS & E-3D).