

Holds a B. Sc. in Mechanical Engineering and has more than 2 years hands-on experience working in construction, design and operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/11/1992
Gender : Male
Marital Status : Single
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2014
: Currently studying for M. Sc. in Mechanical Engineering, Alexandria University (from 2014 till now)

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD (2D & 3D)
: Autodesk Plant 3D - P&ID
: MS Project
: HAP (Calculation of cooling and heating load for HVAC)
: Duct sizer (Sizing air ducts for HVAC applications)
: Solid Works (3D modeling – 2D drawing – Assembly – Flow simulation)
: Revit MEP
: MATLAB (Programming)
: AutoCAD (2D drawing)
: HTRI software (Design and rating of single phase flow heat exchangers)
: FluidSim (Drawing hydraulic and pneumatic circuits and simulating them)
: Proteus (Drawing and simulation of electronic circuits)
: Engineering Equation Solver (EES)

TRAINING COURSES AND CERTIFICATIONS

- : Fundamentals of Six-Sigma: Quality Engineering and Management, A course of study offered by TUMx, an online learning initiative of TUM (Technical University of Munich) through edX (Aug./Sep. 2016).
- : Project Management Professional (PMP) preparation course, Elsewedy Electric PSP, Cairo (from Dec. 2015 till Jan. 2016).
- : Non-destructive testing (NDT), Inspecta ME Training Center, Alexandria (from Oct. till Dec. 2015):
 - Visual testing - Level II.
 - Radio-graphic testing - Level II.
 - Ultrasonic testing - Level II.
- : Mechanical Behaviour of Materials: Stress Transformations, Beams, Columns (from Aug. till Nov. 2015): a course of study offered by MITx, an online learning initiative of the MIT through edX.
- : Design of Industrial and commercial HVAC systems (Feb. 2015).
- : Introduction to Aeronautical Engineering (Nov. 2014): A course of study offered by DelftX, an online learning initiative of Delft University of Technology through edX.
- : Training on maintenance and operation of axial flow pumps (from Sep. till Nov. 2014), Mechanical and Electricity department Ministry of irrigation and water resources.
- : Thermodynamics (from Aug. till Oct. 2014): A course of study offered by IITBombayX, an online learning initiative of Indian Institute of Technology Bombay through edX.
- : Training on maintenance of pumps and oil storage tanks (Jul./Aug. 2013), Arab Petroleum Pipelines Company (SUMED).
- : Micro-controller (AVR) (Jun. 2013).
- : Self-learning courses: Gas turbines - Piping - Pumps - Valves - Storage tanks - Cathodic protection - Arduino - AVR micro controller - Industrial safety - Technical writing - Industrial safety - Electrical machines.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2017 till now
- Project** : Nubaria Combined Cycle Power Plant 1500MW
- Job title** : Power Plant Operation Engineer
- Job Description** :
- Responsible for operating and monitoring of two triple-pressure reheat HRSG units and their auxiliaries; HP/IP & LP feed water pumps, service water, circulating water and FF pumps.
 - Operate the plant either in the field or via the plant computerized control systems.
 - Operate manual and automatic valves and controllers in the plant.
 - Maintain plant equipment and work areas in a safe, clean and healthful manner.
 - Monitoring equipment performance.
 - Perform plant rounds and record plant parameters on daily basis.
 - Provide complete and effective shift turn-over to oncoming shift.
 - Prepare work orders for required maintenance and repair work.

Dates : From Jun. 2017 till now
Project : Hotel TOC La Rambla - Barcelona, Spain
Job title : Freelancer Mechanical Design Engineer
Job Description : Design of water and HVAC systems and create 3D and 2D drawings for installation and piping.

Dates : From Dec. 2015 till May 2017
Employer : Elsewedy Electric PSP
Project : Beni Suef Combined Cycle Power Plant 4800MW
Job title : Mechanical Construction Engineer
Job Description : Responsible for supervision, planning, execution and monitoring of the following activities:

- Installation of underground piping with different materials (SS-CS-GRP-DI).
- Installation of two exhaust bypass stacks for two gas turbines 400MW.
- Installation of auxiliary equipment and piping systems of two gas turbines SGT5-8000H.
- Installation of NEM triple-pressure reheat once-through HRSG casing and non-pressure part.
- Installation of NEM triple-pressure reheat once-through HRSG external and internal piping.
- Performing pressure test for different piping systems.
- Allocation of materials, man power and equipment for daily work activities.
- Ensure the productivity and high quality of the sub-contractors.

Dates : From Jan. 2015 till Dec. 2015
Employer : Beluca Ingenieria Egypt, Alexandria
Projects :

- Global Steel Dust - Aldamam, Saudi Arabia
- Air ventilation system - Emtisa Factory - Barcelona, Spain
- MEP for Residential houses - Alta Floresta, Brazil

Job title : Mechanical Design Engineer
Job Description :

- Design of process piping, HVAC systems and plumbing system.
- Preparing piping general arrangement layouts, Piping isometrics, Supports Details, Materials take-off, Equipment location plans, plot plans, P&IDs.