

**101081-MEC-1CDEOSV-E-2017**  
**Commissioning & Operation Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has over 3 years experience in design, technical office, construction, piping, commissioning and operation.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 07/05/1994  
Gender : Male  
Residence : Giza, Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2017

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD  
: Solid Works  
: Elite  
: HAP – Duct size

## TRAINING COURSES AND CERTIFICATIONS

: Hydraulic system.  
: Fire fighting system.  
: HVAC.  
: Environment, health and safety.  
: Summer trainings at:

- Armed Forces Engineering Sector, Ahmed Zewail City (HVAC Training) (1 month) (2015-2016).
- Iron & Steel Company, Helwan (2 weeks) (2014-2015).
- El-Kureimat Power Station (2 weeks) (2013-2014).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2020 till now  
**Employer** : MEGA / ELSEWEDY  
**Project** : Assiut Supercritical Power Plant (1x650MW)  
**Job title** : Commissioning & Operation Engineer  
**Job Description** :

- Responsible for All systems and equipment for balance of plant.
- Preparation system for start-up as Local Engineer in site.
- Supporting for chemical cleaning team.
- Flushing for pipes of all system to improve quality of fluid.
- Preparation systems for first fire and steam blowing.
- Solo run test for all motors and heat run test.
- Lubrication supervising for coupling of all equipment.
- Manual operation of pumps, compressor, air dryer and fire protection system through local panels.
- Operation all equipment through distributed control system (DCS).
- Responsible for operation of auxiliary boiler and hydrogen unit.

**Dates** : From Aug. 2019 till Jul. 2020  
**Employer** : MEGA / AC BOILER  
**Project** : Assiut Supercritical Power Plant (1x650MW)  
**Job title** : Construction (Piping) Site Engineer  
**Job Description** :

- Installation and erection of pressure part for boiler.
- Responsible for erection of large bore piping for boiler.
- Making plan for all scopes which are priority for construction to make firstly.
- Request material to site and making lifting plan for equipment which used.
- Distributing and supervising man power.
- Problem solving which face implementation.
- Cooperating with technical office for making progress and request for information (RFI).
- Equivalent ability to read and understand designs and schematics.
- Cooperating with commissioning team for start-up.

**Dates** : From Aug. 2018 till Jul. 2019  
**Employer** : MEGA / AC BOILER  
**Project** : South Helwan Supercritical Power Plant (3x650MW)  
**Job title** : Technical Office Site Engineer  
**Job Description** :

- Mechanical department to install all equipment of boiler (Air heaters - FD fans - GR fans sealing and cooling fans burners - pumps soot blowers).
- Study the project contract documents (time schedule, project design drawings, BOQ ... etc.).
- Arrange and review received transmittals and erection drawings.
- Progress update, and prepare a progress weekly report to be discussed in the meeting.
- Calculate Amount of Material for Different systems.
- Prepare requests as per work arrangement and requires.

- Follow up the progress of piping systems in progress sheets.
- Preparing method of statements for site Activities.
- Preparing Lifting Planes with rigging arrangement and calculations.
- Follow up with construction team to solve all technical problems facing construction.
- Making As built for drawing by using autocad program.
- Prepare an internal punch list supporting the construction and QC teams.
- Following the punch list items, and coordinates with the departments to ensure closing the open items.
- Prepare test packages for all piping systems.
- Making request for information (RFI) and making extra work if found.
- Making invoice monthly, progress weekly and making man power daily.

- Dates** : From Aug. 2017 till Jul. 2018
- Employer** : SEG for Consultants and Project Management Company
- Job title** : Mechanical Design Engineer
- Job Description** : Fire Fighting, HVAC and Plumbing Design Engineer, responsible for:
- Designing fire fighting and plumbing systems according to local and international codes.
  - Study the project to prepare design.
  - Calculate Amount and select types of Material according to codes.
- Field of experience** :
- Experienced in erection, commissioning and operation power plant station.
  - Experienced in steel structure, fabrication piping, erection piping in site either large bore or small bore, erection pressure part for supercritical power plant, Ducts and alignment for mechanical equipment, pumps, fans, air heater, air compressor, air dryer, heaters, heat exchanger, soot blowers.
  - Experienced in designing fire fighting, heating and ventilation for air conditioning, plumbing systems.