

Holds a B. Sc. in Mechanical Power Engineering and has over 9 years hands-on experience, including 8 years working in operation and start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 14/07/1985  
Gender : Male  
Marital Status : Married  
Residence : Giza, Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2008

## LANGUAGES

Arabic : Native Language  
English : Very Good  
German : Fair

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet  
: MS Project  
: AutoCAD  
: Solid Works  
: Aspen - Hysys

## TRAINING COURSES AND CERTIFICATIONS

: American language course, Ministry of Defense Languages Institute.  
: Design & construction of piping systems, American University in Cairo.  
: ASME sec. VIII D1, American University in Cairo.  
: ASME B31.1 Power Piping, American University in Cairo.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2010 till now  
**Employer** : Egyptian Iron and Steel Co.  
**Project** : LINDE Air Separation Plant (600 TPD of oxygen)

**Job title** : Shift Engineer  
**Job Description** :

- Start-up, shutdown and operate the plant through SIMATIC Wincc v7.
- Maintain stable process & change process cases to achieve the required production.
- Plan maintenance works with maintenance team.

**Dates** : From Feb. 2009 till Jun. 2010

**Employer** : ALSAFA Co.

**Job title** : Technical Office Engineer

**Job Description** :

- Plan and schedule site tasks.
- Coordinate between our company, project consultants and the owner.
- Monitor time schedule.
- Solve issues with site engineers.
- Prepare site reports.

**Dates** : From Oct. 2008 till Jan. 2009

**Employer** : Integrated Technical Services Co.

**Job title** : Design Engineer

**Job Description** :

- Design filtration system for swimming pools, waterfalls & fountains.
- Estimate quantities for piping.
- Prepare layouts, P&ID & flow drawings.
- Prepare both financial & technical offers.

**A list of the remarkable projects/plants that I engaged in:**

- Egyptian Iron & Steel Co. (Air separation plant No. 4) (Position: Shift Engineer) (from 2010 till now), Description: Air separation plant produces: 15000 Nm<sup>3</sup>/hr oxygen, 7000 Nm<sup>3</sup>/hr nitrogen, 300 Nm<sup>3</sup>/hr Argon, Liquids and gases.
- Phosphoric acid plant revamp for Abu Zaabal Fertilizer and Chemical Company (tasks: Planning & Coordination) (2009-2010), Description:
  - Dismantle old equipment and pipe lines.
  - Modify some equipment.
  - Pipe lines, tank nozzles & pipe supports pre-fabrication.
  - Fabricate, supply & install new steel structures.
  - Erect new equipment.
  - New piping installation.
  - Civil works.
- Installation of hot air furnaces for NPK & SSP units for Abu Zaabal Fertilizer and Chemical Company (tasks: Technical Office) (2009), Description: Install two furnaces one of 3.35 MJ and the other 3 MJ complete with fans and gas piping.
- Pipes lines for NPK & SSP units for Abu Zaabal Fertilizer and Chemical Company (tasks: Technical Office) (2009-2010), Description:
  - Install tail gas lines.
  - Install process water lines.
  - Install drinking water lines.
- Sulfuric acid tanks for Abu Zaabal Fertilizer and Chemical Company (tasks: Quantities estimation) (2009), Description: Fabrication, supply &

install two steel tanks for sulfuric acid storage each of 20m diameter and 10m height.

- Water and process pipes lines for Abu Zaabal Fertilizer and Chemical Company (tasks: cost estimation & shop drawings) (2009, Description: Install water and process pipes lines for the new expansion.
- Pipes supports for MEMP (tasks: quantities estimation & shop drawings) (2009), Description: Supply & install pipe line's supports.
- Replacement and renew pipes lines in Attaka Power Plant (tasks: cost estimation) (2009), Description: Supply & install pipe lines.
- Maintenance plan for Sinai gypsum Factory (tasks: schedule maintenance works) (2009), Description: SSM, yearly, monthly, weekly and daily maintenance plans.
- Steel Structure for Ceramic Factory (tasks: cost estimation) (2009), Description: Supply & install steel structure.
- Steel Structure for ABB (tasks: layouts drawings) (2009), Description:
  - Supply & install steel structure.
  - Fire alarm system.
  - Fire fighting network.
  - Fire hose cabinet.
- El Murshidy Villa's swimming pool (tasks: equipments selection & machine rooms layout) (2008), Description:
  - Main pool.
  - Two water falls.
  - Jacuzzi.
- Halliburton Training Center Project (tasks: equipments selection, quantities estimation, financial offer, technical offer) (2008), Description:
  - Drinking water station & network.
  - Irrigation station & network.
  - Fire fighting station & network.
  - Sewage station & network.
- Swiss Hotel's swimming pools & artificial lakes (tasks: machine rooms layout) (2008), Description:
  - Main pool.
  - Children pool.
  - Two artificial lakes.
- El Khamael Club's swimming pools (tasks: quantities estimation, cost estimation, financial offer) (2008), Description:
  - Olympic pool.
  - Main pool.
  - Children pool.
  - Heated pool.

- Field of experience :**
- Certified LINDE Air Separation Plant Operator, having good knowledge about separation science in general.
  - Skillfully operate Cameron compressors, Cryostar cryogenic equipment.
  - Good planning & coordination skills.