

Holds a B. Sc. in Mechanical Power Engineering and has over 8 years experience working in design and technical office.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 18/08/1991  
Gender : Male  
Residence : New Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2014

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: DOW ROSA  
: EES  
: Revit MEP  
: LewaPlus IX/RO  
: Ansys  
: AutoCAD  
: Ion Pure (IP-Pro)  
: Aqua Designer  
: Elite Fire  
: Smart Plant P&ID  
: AutoCAD PID  
: Inventor  
: iSD – inge  
: Pipe Net

## TRAINING COURSES AND CERTIFICATIONS

- : Aerobic Granular Sludge “AGS” – TuDelft (2022).
- : Supervisors and Section Heads Learning Path (LinkedIn Learning) (Embracing Change, Teamwork, Directing People, Managing Tasks).
- : Getting things Done (LinkedIn Learning) (Dec. 2022).
- : International Reverse Osmosis Certification “IROC” by IDA (764 hours of fundamentals RO water treatment training) (Sep. 2017).
- : Novel feed spacer design for fouling control workshop - Arwadex (2019).
- : Transition from Thermal to SWRO workshop – Arwadex (2019).
- : LEED GREEN ASSOCIATE.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2020 till now
- Employer** : INTECH (International Environmental Technology Co. Hassan Allam)
- Job title** : Senior Process & Mechanical Engineer
- Job Description** : Design Sewage Treatment Plants for Projects & Tenders:
- Treatment process selection and design.
  - Preparing process calculations, hydraulic calculations, equipment-sizing, and equipment selection.
  - Handling RFQ and reviewing suppliers’ technical offers.
  - Preparing general arrangement drawings and civil guide drawings.
  - Preparing all project equipment, piping, and accessories lists.
  - Preparing all project submittals for approval.
  - Reviewing Purchase Orders before handing over to project management team.
  - Preparing shop drawings for installation team.
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- Dates** : From Mar. 2016 till Jul. 2020
- Employer** : PGESCO (Power Generation Engineering & Service Co.)
- Projects** :
  - Assiut Supercritical Power Plant (1x650MW)
  - Cairo West Supercritical Power Plant (1x650MW)
  - South Helwan Supercritical Power Plant (3x650MW)
- Job title** : Mechanical Design Engineer
- Job Description** : Water Treatment System Design - Responsible Engineer for handling project package including:
- Preparing preliminary design for all water treatment, wastewater treatment, sewage treatment, desalination & demineralization Systems.
  - Preparing tender document & specifications.
  - Reviewing vendor technical offers & preparing evaluation report.
  - Conducting pre-award, kick-off & design engineering meetings.
  - Reviewing project design documents and following up execution.
  - Reviewing FAT test, performance test & endurance test procedures.
  - Prepare & review Control philosophy for all related systems.
  - Coordination between all the concerned departments.
  - Technical support for projects proposal.

**Dates** : From Sep. 2015 till Jan. 2016  
**Employer** : Ain Shams University  
**Job title** : Teacher Assistant  
**Job Description** : HVAC Introduction for Automotive Engineering.

**Dates** : From Sep. 2014 till Feb. 2016  
**Employer** : Dar Al-Handasah Shair & Partners  
**Projects** :

- NGHHA Jeddah Children Hospital
- NGHHA Taif General Hospital
- NGHHA Qassim General Hospital
- Dubai Aviation City, Cargo Mega Terminal
- Dubai Aviation City, South Side Super Gate Terminal
- SHAMIYAH Hospital Fire System Modification

**Job title** : Mechanical System Design Engineer  
**Job Description** : Fire Fighting & Plumbing System Design.