

# Mahmoud Muhammad Sami Salem

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## Personal Information:

<b>Name</b>	Mahmoud Muhammad Sami Salem
<b>Date of birth</b>	21 Jan 1989
<b>Place of birth</b>	Egypt – Al Kalyubia – Benha
<b>Nationality</b>	Egyptian
<b>Address</b>	Märkische Str. 153, 44141 Dortmund
<b>Marital status</b>	Single
<b>Military status</b>	exempted

## Work Experiences

**Since March-2019**      **ThyssenKrupp Industrial Solutions, Dortmund, Germany**  
**Position: -**                      Plant layout and piping engineer

- Participates in the piping design of Ammonia areas of the plant.
- Working in High-pressure piping.
- Prepare piping study.
- Review technical specification for equipment / packages.

## Projects:

- NCIC (Basic Phase - Design). (Running Project).

**Since 2016-2019**      **ThyssenKrupp Industrial Solutions, Cairo, Egypt**  
**Position: -**                      Plant layout and piping engineer

- Participates in the piping design of areas of the plant.
- Participates in the piping studies using plot plans and P&ID's.
- Prepare piping study drawings from plot plans and P&ID's.
- Review supplier's documents of equipment / packages.
- Prepare piping isometric drawings.
- Prepare Special support design and drafting.
- Prepare Bill of quantity at bidding phase
- Prepare Piping pressure test systems.
- Participates in checking activities of piping design, comprising plot plans, equipment orientations, general arrangement drawings.
- Participates in pre-commissioning and commissioning activities.

**Projects:**

- EPPC Propane tanks: (Design).
- UGDC-Regeneration gas heater(Revamp): (Design)
- EPC-EDC cracking unit (Bidding phase): (Design).
- Cargill Silver: (Design).
- SEDPIC New Amine unit: (Design & Site support).

**Since 2014-2015****INITEC ENERGIA, Suez, Egypt****Position: -****Site Technical Engineer**

- Prepare isometrics welding maps.
- Prepare site technical inquiries.
- Review engineering drawings and documents.
- Review piping test packages.
- Participates in pre-commissioning and commissioning activities.
- Progress monitoring.
- Prepare Piping Small Bore design and isometrics.

**Projects:**

- Suez Thermal power plant 1x650 MW

**Since 2013-2014****INITEC ENERGIA, Giza, Egypt****Position: -****Construction Engineer**

- Participate in erecting mechanical Equipment.
- Participate in erecting Piping systems.
- Manage construction work and labour costs.
- Develop Construction plan to achieve time schedule.
- Draft technical support documents
- Review engineering drawings and documents.
- Review piping test packages.
- Participate in piping test.
- Participates in pre-commissioning activities.

**Projects:**

- Giza North power station 3x750 MW

**Since 2012-2013**

**HITACHI, Kalyubia, Egypt**

**Position: -**

**Construction Engineer**

- Participate in erecting Piping systems.
- Draft technical support documents
- Review engineering drawings and documents.
- Review piping test packages.

**Projects:**

- Benha power station 1x750 MW

**Education:**

Al-Azhar University, Egypt  
Faculty of Engineering

1. Master in Mechanical Engineering (Under study)  
Software interaction between piping network design and its cost.
2. Bachelor in Mechanical Engineering.(2012)  
Grade Good

**Language:**

- ✓ Arabic : Native.
- ✓ English : Fluent.
- ✓ German : Preliminary.

**Computer Skills:**

- ✓ AutoCAD (2D&3D).
- ✓ Navisworks.
- ✓ AVEVA PDMS.
- ✓ AVEVA Plant E3D.
- ✓ Microsoft Office
- ✓ Matlab

### Courses:

- ✓ Piping design course.
- ✓ Steam trap.
- ✓ Corrosion methods of estimation, rates and protection method.
- ✓ Soft Skills, Time Management and Business Writing.
- ✓ Risk Management (Basic).
- ✓ Stress analysis (Basic).
- ✓ OSH learning (Basic)

### Capability:

- ✓ Prepare 3d model for piping and equipment using AVEVA PDMS design module (Equipment and Pipework application)
- ✓ Extract Isometrics using AVEVA PDMS Isodraft module.
- ✓ Preparing design vessels, towers orientation based on data sheet.
- ✓ Preparing piping design for individual plant areas ensuring that recognized codes standard and specification are followed.
- ✓ Prepare piping design general arrangement drawing, cross sections.
- ✓ Produce isometric sheet with full information and MTO.
- ✓ Preparing piping studies and proposals such as :-
  - Piping arrangement studies
  - Proposals for equipment layout
  - Proposals for key plan area division
- ✓ Design of different piping activities such as :-
  - Plant layout plot plan development
  - Design of piping pump station
  - Design of piping compressor station
  - Design of piping exchangers