

Mohamed Hamed Hassan

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▪ **Objective:**

To obtain a full time position in your respectful company that offers a professional working environment and enables me to grow while meeting the corporation's goals.

▪ **Education:**

- 09/2004 – 08/2009 Bachelor of Engineering, Mechanical Design and Production Department – Cairo University. Overall Grade: Good (73.33 %).
- 09/2003 – 07/2004 General secondary certificates. Overall Grade: 97.2%.

Graduation Project: *Development & Assessment of U-Tube Heat Exchanger.*

Designing of prototype of U-tube heat exchanger using ASME code Sec.VII Div.1 and finite element analysis (FEA) techniques are also implemented in the project.

Supervised by: Prof. Sief A. Y. Khorshid (Cairo University Staff). Graduation Project Grade: Excellent.

▪ **Software skills:**

- **ICDL "International Computer Driving License".**
 - Windows – Word – Excel – PowerPoint – Access – Internet – IT. & MS Project.
- **Computer aided drafting (2-D&3-D):**
 - Autodesk AutoCAD (2-D). / Bentley Micro station (2-D).
- **Plant 3D Modeling:**
 - AVEVA Plant Design Management System (PDMS) / Intergraph Plant Design System (PDS).
- **Plant 3D Reviewing:**
 - Autodesk Navis Works / Intergraph Smart Plant Review.
- **Piping Stress Analysis:**
 - Caesar II.
- **Fire Fighting Hydraulic Calculation:**
 - PipeNet /Fire Elite

▪ **Work Experiences :**

- From 02/03/2014 till Present:

➤ Senior Piping Design Engineer at **Onspec Tawakol Engineering & Contracting (OTEC)** ,
Duties:

- Equipment, piping and steel structure 3D modeling Using PDMS.
- Prepare/Review Plot Plan.
- Prepare/Review General arrangement drawings (GAD).
- Prepare/Review Piping Isometric drawings for aboveground piping.
- Prepare/Review underground piping drawings.
- Prepare/Review Material Take Off (MTO).
- Prepare/Review Nozzle Orientation drawing for Equipment.
- Review vendors and suppliers drawings.
- Stress analysis, support selection and support modeling for static equipment using Caesar II.
- Prepare piping man hour plan for proposal projects.

- Technical support and supervision infield during construction phase.
- Prepare As-Built Isometrics and GAD.
- Prepare/Review firefighting philosophy.
- Prepare/Review firefighting water demand calculations.
- Prepare/Review firefighting hydraulic calculations.
- Prepare/Review firefighting layout.

Projects:

- RWE - Basic and Detailed Engineering Services for Disouq Plant.
- Baker Hughes - Basic Engineering Services for Alamerya Blending Plant.
- GPC- Basic and Detailed Engineering Services for Crude Oil Pipeline in western desert-Egypt (Abo Sanan).
- Al Wastani Petroleum Co. - Detailed Engineering Services for EW Plant.
- ADES - Basic and Detailed Engineering Services for offshore Jack-Up Rig Production Facility.
- Petrodara Petroleum Co. - Detailed Engineering Services for Hana Plant.
- Petrodara Petroleum Co. - Engineering for El NASR Camp Fire Fighting Network.
- Badr Petroleum Co - Engineering for New Gas Compressors area.
- EBGDCO Co- Engineering for New Gas Compressors area and New Cold Box area (cryogenic).
- SUMED - Engineering Works for Ain Sukhna Product Hub (ASPH) LPG Facilities.

○ From 01/12/2011 till 30/09/2013:

➤ Piping Design Engineer at **Chicago Bridge and Iron (CB&I)- Egypt Branch**

Duties:

- Equipment and piping 3D modeling Using PDS.
- Prepare General arrangement drawings (GAD).
- Prepare Piping Isometric drawings for aboveground piping.
- Prepare Piping Isometric drawings of utility station systems.
- Prepare Piping Isometric drawings of Fire Fighting Systems (Deluge System).
- Prepare Piping Isometric drawings of Safety Shower and eye wash systems.
- Prepare test pack packages (Hydrostatic, Pneumatic, Service and Visual Tests).

Projects:

- Refinery de Cartagena (Reficar)-Colombia “Mega Project”.
- Barrow Island (Gorgon)-Australia. “Mega Project”.

○ From 24/01/2011 till 30/11/2011:

➤ Piping Design Engineer at **ThyssenKrupp Industrial Solutions (TKIS)-Egypt Branch (Former ThyssenKrupp UHDE),**

Duties:

- Piping CAD Isometric controller.
- Prepare of Special Pipe Support drawings.
- Prepare of Demolish and Tie in Piping Isometrics.
- PDMS drafting module for Steel structure and concrete layout drawings.
- Prepare Piping Isometric drawings of steam tracing piping isometrics.
- Prepare Weekly Piping CAD isometrics progress.

Projects:

- Egyptian Fertilizers Company (EFC)-Egypt.
- Henkel Company-Egypt.

▪ **Awards:**

- In 6/2017, Project Hero Award in Onspec Tawakol Engineering & Contracting.

▪ **Courses:**

- In 1/2011, PDMS course: Piping, Equipment, draft and ISO draft modules in **TKIS**.
- In 11/2011, PDS course: Piping, Equipment and draft modules in **CB&I**.
- In 2/2015, Piping Design & Fabrication course in **ENPPI**.
- In 12/2016, PDMS course: Admin, Paragon, ISO-draft admin and Draft admin modules in **OTEC**.

▪ **Professional Memberships:**

- Member of **ASME** (American Society of Mechanical Engineers).
- Member of **SPE** (Society of Petroleum Engineers).

▪ **Languages:**

- Arabic: Native.
- English: Very Good (Read, Written, and Spoken).
- German: Beginner.

▪ **Extra-Curricular Activities:**

- Head of Fundraising committee and Treasurer of **ASME** Student Section in Cairo Uni. in 2008.
- Vice chairman of **ASME** Student Section in Cairo Uni. in 2009.
- Treasurer of **ASME** Student District Operating Board for Africa & Middle East in 2009.
- Academic moderator in **SPE** Student Chapter in Cairo Uni. in 2008/2009.
- Active member in **SPE** Young Professional in 2011.
- Participant in TAMAYOZ (*NGO specialized in developing leaders*) in 2011/2012.

▪ **Personal data:**

Full Name: Mohamed Hamed Hassan.

Date of birth: 01/05/1987.

Place of birth: Maadi, Cairo, Egypt.

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Marital status: Married.

References are available upon request