

Holds a B. Sc. in Mechanical Power Engineering and has over 8 years experience in Piping Stress Analysis & Supporting in Oil & Gas EPC projects' process piping. Experience in using CAESAR II, MDS, PDMS & Smart Plant Review.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 14/05/1987  
Gender : Female  
Marital Status : Married  
Residence : Future City, Cairo

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2009

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: CAESAR II  
: PDMS  
: Smart Plant Review

## **TRAINING COURSES AND CERTIFICATIONS**

: ASME B31.3, ASME – AUC (2012).  
: Multi-Discipline Support (MDS - PDMS), AVEVA (2012).  
: Smart Plant Review, CB&I Cairo (2011).  
: Piping Layout (2012).  
: Piping material engineering introduction (2013).  
: AutoCAD 2D (Sep. 2014).  
: Piping dynamic analysis, ENNPI (2015).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2018 till now  
**Employer** : Diar Office  
**Project** : Shell 6th of October lubricant oil blending Plant: Installing 2 new storage tanks with nominal capacity of ~ 250 ton/each with dedicated pump for each tank (Jun./Jul. 2018)  
**Job title** : Piping Stress Analysis and Supporting Engineer (Freelancer)  
**Job Description** :

- Stress analysis and support selection for piping.
- Preparing stress reports for critical systems.

**Dates** : From Mar. 2015 till now  
**Employer** : United Engineering for Petroleum Projects (UNEPP) Office  
**Job title** : Piping Stress Analysis and Supporting Engineer (Freelancer)  
**Job Description** :

- From Jun. 2018 till Jul. 2018: The Installation of a new six production main headers: AGIBA intended to upgrade MELEIHA production facilities to debottleneck the production manifold and re-route the existing trunk lines which connected direct to process facilities in addition to install common ESD system at the plant inlet.
- From May 2018 till Jun. 2018: EPC Services for new Ethanol Tank with total capacity 30m<sup>3</sup>:
  - Stress analysis and support selection for piping.
  - Coordination with other disciplines.
  - Preparing stress reports for critical systems.
  - Supporting the firefighting system.
- From Mar. 2018 till May 2018: Construction of two pipe lines 10 in Dia. from South Bakr station to Hamed station and from north Amer to South Amer:
  - Stress analysis and support selection.
  - Coordination with other disciplines.
  - Preparing stress reports for both pipelines.
- From Jan. 2018 till Mar. 2018: Connection of the new natural gas compressor with the existing ammonia plant Abu Qir 1 project:
  - Stress analysis and support selection for piping.
  - Coordination with other disciplines.
  - Preparing stress reports for critical systems.
- From Sep. 2017 till Dec. 2017: Design, Supply & Install complete pumping system for disposal well at Alamein fields:
  - Stress analysis and support selection for piping.
  - Coordination with other disciplines.
  - Preparing stress reports for critical systems.
- From Mar. 2017 till Aug. 2017: El-Bassant fuel gas package and Inert gas package at El Wastani plant - Installing new fuel gas package at EW-2 nodal compression station and to relocate inert gas package inside the main EW-plant into a safe location at a non hazard area:
  - Stress analysis and support selection for piping.
  - Coordination with other disciplines.
  - Preparing stress reports for critical systems.
- From Feb. 2016 till Jul. 2016: Transfer Shams nodal compressor to

Tarek gas plant:

- Stress analysis and support selection for piping.
- Coordination with other disciplines.
- Preparing stress reports for critical systems.
- From Mar. 2015 till Sep. 2015: Off skid engineering work for Faraskour compression station:
  - Stress analysis and support selection for piping on different types of equipment (pumps, tanks, knock out drum and flare stack, etc...).
  - Coordination with other disciplines.
  - Preparing stress reports for critical systems.
  - Responsible of Piping Stress Analysis and Supporting of the piping relocation of five lines inside SIDPEC plant to as built drawings between existing 5 lines to new tie in points.
  - Preparing piping man hour plan for proposal projects.

**Dates** : From Oct. 2014 till Feb. 2015  
**Employer** : Hydro Consult Office  
**Project** : Al Sokhna New Extension ERM (cryogenic plant) for Air Liquid Company  
**Job title** : Piping Stress Analysis & Supporting Engineer  
**Job Description** :

- Stress analysis for piping on many equipments (pumps, tanks, steam turbines...etc.).
- Coordination with other disciplines.

**Dates** : From Apr. 2010 till Oct. 2013  
**Employer** : CB&I Cairo L.L.C. (Formerly CB&I Lummus L.L.C.)  
**Job title** : Piping Stress Analysis & Supporting Engineer  
**Job Description** :

- Nagarjuna Oil Corp. Ltd. Refinery, India (Detailed Engineering Project for CB&I Netherlands Office) (2010-2011):
  - Stress analysis, support selection and support modeling of various piping systems such as steam, process, fire water, water condensate ...etc.
  - Stress analysis, support selection and support modeling of Pumps (electrical and steam turbines driven) types and their turbines nozzles loads evaluation.
  - Stress analysis, support selection and support modeling of PSV and control valves systems.
  - Preparing lists of special supports (struts, springs ...etc.).
  - Preparing stress analysis and calculations reports.
  - Performed dummy, floor stands, flange leakage checks and equipment clip data sheet.
  - Performing stress analysis and supporting for pipe rack including 40" flare header and performing preliminary rack study.
  - Performing preliminary study for interconnecting pipe rack and positioning of expansion loops.
  - Contribute in piping design activities through reviewing and suggesting new routing.
- Kemya Quence System Modification Project, Saudi Arabia (2011-2012):
  - Stress analysis for steam condensate headers using CAESAR II.
  - Using general arrangements (piping plans) to follow the line and reroute the line if needed.

- Reficar, Cartagena Expansion Project (Detailed Engineering Project for CB&I Houston Office) (2011-2012):
  - Stress analysis and support selection for:
    - Different process lines.
    - Different systems (Pumps, Steam turbines & Static equipments).
  - Many non-critical lines in Areas (130-134-135-136-141).
  - Performed dummy, floor stands & flange leakage checks.
  - Contribute in piping design activities through reviewing and suggesting new routing.
  - Participating in study phase and detailed analysis for firefighting systems. Leading a team to finish stress analysis and supporting of some fire fighting systems units.
- ESSO, Longford Gas Conditioning Plant, Australia (Detailed Engineering Scope for CB&I Singapore Office) (2012-2013): Assessment of calculations in the Amine regeneration area and documenting the needed changes.
- Chevron, Gorgon Project-Barrow Island LNG Plant, Australia (Construction Support Scope for CB&I Singapore Office) (2013): Piping test packs preparation and testing material take-off.