

Holds a B. Sc. in Mechanical Engineering and has over 13 years hands-on experience working as Piping Design Engineer in Oil and Gas Industries field including EPC of Oil Refineries, Gas Plants, Petrochemicals, LNG Plants, Offshore Projects and Fertilizer.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : New Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Al-Azhar University, 2000

LANGUAGES

Arabic : Native Language
English : Very Good
Dutch : Basics
Italian : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : PDMS Plant Design Management System (Piping Design, Equipment, Dwgs Production, ISO's Production, Design Manager, Advanced Router, Review reality, PML Language) – by Engineering for the Process & Petroleum Industries Co. (ENPPI) (1 month in 2001).
- : Piping Design & Plant Layout – by ENPPI (3 months in 2002).
- : Piping Stress Analyses and CAESAR-II – by ENPPI (1month in 2002).
- : PDS, Plant Design System by ENPPI (1 month in 2002).
- : Microstation SE and Microstation 7J – by ENPPI (1 week in 2002).
- : OrthoGen 3DS – by 3DS Co. (1 week in 2003).
- : Material Selection for Piping and Mechanical Engineers – by ENPPI (1 week in 2002).
- : Valves Types and Inspection – by ENPPI (1 week in 2004).
- : Overview of Fertilizer process Techniques – by ABU QIR / ENPPI (1 week in 2004).
- : Overview of Urea plants, production of granules & Handling Techniques – by ABU QIR / ENPPI (1 week in 2004).

- : LNG & NGL Techniques – by ENPPI (3 weeks in 2004).
- : Valve selection & maintenance - by AUC (American University in Cairo) (1 week in 2005).
- : English and Business Communication Courses - by AmidEast in Cairo (4 months in 2005).
- : Responsible for instruction of Piping project specification to ELAB project for piping designers Engineers at ENPPI (1 week in 2006).
- : English technical language in meetings negotiations and decision making – by AUC (American University in Cairo) (1 week in 2008).
- : ASME 31.3 – by AUC (American University in Cairo) (1 week in 2009).
- : CB&I "LNG Seminar" (1 day in 2009).
- : CB&I "Sulfur Seminar" (1 day in 2009).
- : CB&I "Delayed Coker System Seminar" (1 day in 2009).
- : Responsible for instruction of Plant Design layout and safety spacing for piping designers Engineers at CB&I Cairo (2 weeks in 2009).
- : Primavera 6.0 (1 month in 2010) (Egyptian Society of Engineers).
- : Responsible for instruction of SPR (1 day in 2011).
- : Responsible for instruction of piping Design layout Guide (1 week in 2012).
- : Lead engineering development program by CB&I (2 days in 2012).
- : Risk Management by CB&I (2 days in 2012).
- : Responsible for instruction of Plot Plan (3 weeks in 2013).
- : EIPP Certificate (Engineer Incident Prevention Program) at CB&I (Aug. 2014).
- : VCA Certificate (HSE) (Aug. 2014).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2015 till now
Employer : [EGYPTROL](http://www.egyptrol.com)
Job title : Senior Piping Engineer

Dates : From Dec. 2013 till May 2015
Employer : CB&I B.V, The Hague – Netherlands
Project : Aasta Hansteen Platform Topsides
Job Description :

- Senior Piping Design Engineer in the Basic and detailed at The Hague office N.L.
- Also support fabrication yard team in Ulsan, South Korea.
- CAD System: PDMS.

Dates : From Nov. 2008 till Nov. 2013
Employer : CB&I Lummus, Cairo – Egypt
Job Description :

- Project: Dominion Natrium (from Feb. 2012 till Mar. 2013):
 - Piping Lead Engineer in the detailed of (Gas Processing Facility) at Cairo office, Egypt.
 - CAD System: PDS.
- Project: REFICAR (from Sep. 2011 till Feb. 2012):
 - Area Lead Piping Design Engineer in the detailed of PSG and

- WWT at Cairo office, Egypt.
- CAD System: PDS.
- Project: REFICAR (from Jul. 2010 till Sep. 2011):
 - Senior Piping Design Engineer in the detailed of OSBL at Rogerdale office, Houston, USA.
 - CAD System: PDS.
- Project: Nagarjuna CDU / VDU (from May 2009 till Jul. 2010):
 - Area Lead Piping Design Engineer in Basic and details of CDU in each The Hague N.L and Cairo Egypt offices.
 - CAD System: PDMS.

Dates : From Mar. 2008 till Nov. 2008
Employer : Tecnomare S.P.A, Milan – Italy
Project : Kashgan Development Experimental Program (offshore)
Job Description :

- Senior Piping Design Engineer in details of Barge 20 in Milan, Italy.
- CAD System: PDS.

Dates : From Jul. 2006 till Mar. 2008
Employer : Snamprogtti S.P.A, Milan – Italy
Job Description :

- Project: Bandar Abbas Gas Condensate Refinery (from Jan. 2008 till Mar. 2008):
 - Senior PDS Engineer in basic of Amine treating and Sour water stripper unit in Milan, Italy.
 - CAD System: PDS.
- Project: SAMIR upgrade project (from Aug. 2007 till Dec. 2008):
 - Piping Lead Design Engineer in details of Coking and visbreaking unit in Milan, Italy.
 - CAD System: PDS.
- Project: Ruwais 3rd NGL Train (from Jan. 2007 till Jul. 2007):
 - Piping Lead Design Engineer for Jetty unit in Milan, Italy.
 - CAD System: PDS.
- Project: KPF (Khursaniyah producing facilities & utilities project) (from Aug. 2006 till Dec. 2006):
 - Piping Checker Engineer in Milan, Italy.
 - CAD System: PDS.

Dates : From Feb. 2002 till Jul. 2006
Employer : ENPPI (Engineering for the Petroleum & Process Industries Company), Cairo – Egypt
Job Description :

- Project: ELAB (Egyptian Linear Alkyl Benzene), Petrochemicals (from Apr. 2006 till Jul. 2006):
 - Piping Lead Design Engineer of tank farm area in Cairo, Egypt.
 - CAD System: PDMS.
- Project: Saudi Armco's KGP (Khurasaniyah Gas Plant Project) (from Dec. 2005 till Apr. 2006):
 - Senior Plant Design & Piping Engineer of HP DGA-Train I in London, UK.
 - CAD System: PDS.
- Project: M1, M36 & M1/M3 Water Injection /OIL Offshore Pipeline (from May 2005 till Nov. 2005):

- Project Piping Lead Engineer revamping and add new traps in Cairo, Egypt.
- CAD System: PDMS.
- Project: Alhamed Platform, 8' Pipeline and Submarine Power (offshore) (from Dec. 2004 till Apr. 2005):
 - Project Piping Lead Engineer a new fixed platform in Cairo, Egypt.
 - CAD System: PDMS.
- Project: Baltim North Platform (offshore) (from Apr. 2004 till Nov. 2004):
 - Junior Piping Design Engineer in Cairo, Egypt.
 - CAD System: PDS.
- Project: ELNG (Egyptian Liquefied Natural Gas) (from Aug. 2003 till Mar. 2004):
 - Junior Piping Design Engineer in OSBL in Cairo, Egypt.
 - CAD System: PDS.
- Project: Petrobel's, PFD & RPP (offshore) (from Dec. 2002 till Aug. 2003):
 - Junior Piping Design Engineer in a new fixed platform in Cairo, Egypt.
 - CAD System: PDS.
- Project: Tanak/Omar Vapour Recovery (Oil & gas) (from Feb. 2002 till Dec. 2002):
 - Junior Piping Design Engineer in Cairo, Egypt.
 - CAD System: PDMS.

- Field of experience :**
- Over 13 years of experience in Oil and Gas Industries field including EPC of Oil Refineries, Gas Plants, Petrochemicals, LNG Plants, Offshore Projects and Fertilizer.
 - Highly experienced as a Piping Design Engineer.
 - Experienced in preparing Piping Activities Estimated based on Scope like (CTR, Man-hours and Material Take off) for various project tenders.
 - Confirm the project scope and design basis by evaluating as-sold data received at kickoff meeting for the assigned project.
 - Actively pursue information needed from other disciplines, suppliers, etc. for both design and engineering activities.
 - Coordinate the production of all design deliverables in accordance with the project schedule.
 - Experienced in using international regulations, codes used in the petroleum field (API, ASTM, NFPA, ASME, ANSI, NACE, DIN ...).
 - Good awareness and implemental of the requirements of Aramco, Shelldep, PB, Statoil and ENI specification.
 - Develop and generation Plot plans & Offshore Topside facilities layout from process flow sheets and preliminary equipment sizes.
 - Preparing complete design of piping general arrangement layouts and key plans using P&ID's and vendor data.
 - Develop and issue equipment orientation drawings including platforms and ladders regarding equipment location requirements for accessibility for operation, maintenance and other, with full awareness of flexibility and supporting requirements for the following equipment horizontal and vertical vessels, towers, compressors, horizontal and vertical pumps of different types, tanks, heat exchangers, air coolers, skids, heaters, etc...
 - Develop and issue Material Handling reports.
 - Develop and issued layout of modules and hook up isometrics for

construction.

- Develop and issue isometric drawings including pipe supports for construction using 3D CADD (Computer Aided Design and Drafting) modeling software e.g. PDS & PDMS.
- Design Review of lines, equipment and structure in Navisworks, SPR & PDMS Reviews for completeness (routing feasibility and requirements of process, accessibility, Stress and other).
- Develop Project specific stress analysis and pipe support specification, standards and guidelines.
- Develop stress critical line list.
- Reviewing and control vendors and in-house coordination drawings of equipment, skids & packages to ensure their compliance with related project requirements.
- Issue valves MRQ, MRP, preparation of technical queries, Technical Bid Evaluation.
- Selection of piping material and preparation piping specification as international code for various services.
- Review along with the procurement division the spare stock requirement of the plant material ensuring that optimum levels are maintained and support the procurement division during the technical evaluation of offers received from various suppliers.
- Develops plans to ensure that the designs reflect Client requirements and facilitate construction of facilities that meet our Clients' strategic objectives.