

Has about 28 years of experience in Engineering of Oil & Gas projects in Piping Design. Fully aware by using 3D Plant design modeling software (PDMS, PDS, E3D (AVEVA Everything 3D) and Pro-Pipe) AutoCAD 3D Plant 2019. Fully aware by using 2D Plant design software (AutoCAD, PDMS Draft, Ortho Gen, Micro station). Fully aware by using 3D Model checking software SPR (Smart Plant review, Aveva Review). ASME B31.3 Certificate.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 04/12/1967  
Gender : Male  
Residence : Madinty, New Cairo

## EDUCATION

: High Institute for Technology Development (Mechanical Dept.)

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : CB&I Lummus Trainings:
  - Technical Courses (2007), IN HOUSE TRAINING Lummus.
  - IDocs Training Courses (2007), IN HOUSE TRAINING Lummus.
  - PDMS Drafting, IN HOUSE TRAINING Lummus.
  - PDS 3D Training Course, IN HOUSE TRAINING Lummus.
  - AUC Business English, Training Course CB&I.
  - AUC Design and Construction of Piping Systems (May 2008).
  - AUC English Technical Language in Meetings, Negotiations And Decision Making (Nov./Dec. 2008).
  - AUC ASME B31.3 Training Course (CB&I) (Feb. 2009).
  - AUC Piping Design & Fabrication Course (2010).
  - Risk Assessment Management Course (2013).
- : IN HOUSE TRAININGS ENPPI:
  - P&ID, Drafting with full information about various Equipment and piping components (1992).
  - Basic CAD (1992).

- On-job training course to specialized packages Pro-Pipe, Pro-Iso, Pro-Flow (1993).
- Plant Design Package (1995).
- Piping Design and Fabrication.
- PDMS Drawing Production.
- Piping Component Specification.
- : Intergraph PDS-3D and PDMS Systems (2001):
  - Micro station for PDS 3D Designers.
  - Creating Equipment Models with PDS-3D.
  - Creating Piping Models with PDS-3D.
  - Creating Equipment Models with PDMS-3D.
  - Creating Piping Models with PDMS-3D.
- : ASME B31.3 Certificate.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2015 till now
- Employer** : [EGYPTROL](http://www.egyptrol.com)
- Job title** : Senior Piping Designer & Checker
- Job Description** :
- Project: DANGOTE OIL REFINERY AND PETROCHEMICAL PROJECT - LEKKI, NIGERIA (from 2019 till now):
    - Assignments: Design All Piping Routing and Produce all Deliverables as per Schedule using Auto Plant 3D taking in consideration the flexibility, Accessibility, economics, ergonomics for piping systems.
    - Responsible for checking piping and review all Drawing related documents (Isometrics, PFD, P&ID, MTO, LDT, etc.).
  - Assiut Power Station CP-118 Small Bore Piping design (2018-2019):
    - Assignments: Design All Small Bore Routing and Produce all Deliverables as per Schedule.
    - Responsible for Design and latest equipment & instruments using PDMS, E3D taking in consideration the flexibility, Accessibility, economics, ergonomics for piping systems.
    - Responsible for checking piping and review all Drawing related documents (Isometrics, PFD, P&ID, MTO, LDT, etc.).
  - Project: WEPCO GAS ENGINE - New Skid Mounted Generators - GAS ENGINES AT BED-1:
    - Scope of work: Genset Location and routing lines.
    - Assignments: to work in New Skid Mounted Generators project as a checker to complete the Design and produce all deliverables as per schedule.
    - Assignments: 3D modeling by AUTOCAD 3D PLANT 2017 for the existing equipment and piping and generate isometrics.
  - Project: SDX&UA-Meseda - Meseda Field Expansion - West Gharib onshore:
    - The scope of work for this document is limited to all the related Tie-Ins works for:
      - ❖ Oil separation system.
      - ❖ Settling and shipping tanks system.
      - ❖ Produced water treatment and injection system.

- ❖ Fire fighting system.
  - Assignments: Responsible for Design and latest equipment & instruments using AUTOCAD 3D PLANT, taking in consideration the flexibility, Accessibility, economics, ergonomics for piping systems.
  - Responsible for checking piping and review all Drawing related documents (Isometrics, PFD, P&ID, MTO, LDT, etc.).
- Project: Abu Qir Power Plant - Rehabilitation of Feed water Pumps (2016-2017) >>> Assignments: Responsible for checking piping and review all Drawing related documents (Isometrics, PFD, P&ID, MTO, LDT, etc.).
- Project: EMC-Farfra Diesel Power Station:
  - Assignments: Responsible for Design and latest equipment & instruments using AUTOCAD 3D PLANT, taking in consideration the flexibility, Accessibility, economics, ergonomics for piping systems.
  - Responsible for checking piping and review all Drawing related documents (Isometrics, PFD, P&ID, MTO, LDT, etc.).
- Project: CEPC-Shoubra El-Kheima PP FF:
  - Assignments: Responsible for Design Fire Fighting Network.
  - Responsible for Design, checking piping.
  - Responsible for Piping Design and generate isometrics from model using AUTOCAD 3D PLANT.
- Project: ABU SULTAN FW PUMPS REHAB UNIT 1, Ismailia – Egypt:
  - Assignments: to work in ABU SULTAN project as a checker to complete the design and produce all deliverables as per schedule.
  - Assignments: 3D modeling by AUTOCAD 3D PLANT 2015 for the existing equipment and piping and generate isometrics.
- Project: MANTRAC - American Embassy in Iraq:
  - Assignments: Responsible for Design and latest equipment & instruments using AUTOCAD 3D PLANT, taking in consideration the flexibility, accessibility, economics, ergonomics for piping systems.
  - Responsible for checking piping and review all drawing related documents (Isometrics, PFD, P&ID, MTO, LDT, etc.) by AUTOCAD 3D PLANT.
- Project: ACL-Jabal Omar District - DCP 10,000TR Extension, Saudi Arabia Makkah:
  - Assignments: Responsible for Design ETS chilled water piping.
  - Responsible for Design ETS 15 and 17 10 Heat Exchangers Return and Supply Piping water.
  - Responsible for Design, checking piping.
  - Responsible for Piping Design and generate isometrics from model by AUTOCAD 3D PLANT and review all Drawing related documents (Isometrics, PFD, P&ID, MTO, LDT, etc.).

**Dates** : From Jan. 2014 till Jan. 2015  
**Employer** : Uhde Engineering Egypt, ThyssenKrupp  
**Project** : PDH & PP Port Said (Egypt)  
**Job title** : Senior Piping Design Checker  
**Job Description** :
 

- Assignments: Shut Down Activities.
- The main activity as the following construction supervision responsible for Tie-in verification and prepare Piping spools at workshop checking for vendor data sheet.

- Replace the heat Exchanged 111E002, 112E002, 111E004, 112E004 & 119E002.
- Responsible for modification and piping design at site.
- Replace the catalyst for Reformers and Oxi-reactors.
- Responsible for removing Catalyst and refill again with teamwork.
- Tie-ins for the new regeneration air compressor and Knock out drum for piping.
- Responsible for identify Tie-ins points through Model and site.
- Responsible for design and coordinator between Cairo Office, site and vendor supplier.

**Dates** : From 2007 till 2013

**Employer** : CB&I PEC, Formerly ABB Lummus Global

**Job title** : Senior Piping Designer & Checker

**Job Description** :

- 6 years of experience in the Oil and Gas Industry.
- Experienced in plant design piping using CADD (Computer vision System) and (PDS 3D Intergraph).3D Pro Pipe, Pro Iso and Auto CAD, Modeling Software.
- Experienced in construction supervision, as built drawing, mechanical completion and punch list.
- Full awareness and implementation of the Quality Management System.
- Full awareness and implementation of requirements of the Environmental Management System (including the EMS Programs) and the applicable Environmental laws, regulations, codes, standards and other requirements.
- Project: Gorgon Project (in Australia) with Singapore (2012-2013): Responsible for checking piping test packages and review all Drawing related documents (Isometrics, PFD, P&ID, MTO, LDT, etc.) by SPR (Smart Plant Review).
- Project: Reficar, Cartagena Refinery Expansion Project (2011-2012): Check Isometrics review all Drawing related documents (Isometrics, PFD, P&ID, MTO, LDT, etc.) by SPR (Smart Plant Review) for Area 130-3 for Steam Turbine, Area 135 &136 for cooling water, Area143 for wastewater against P&ID and latest equipment & instruments using SPR, taking in consideration the flexibility, accessibility, economics, ergonomics for piping systems.
- Project: Nagarjuna CDU/VDU project (2nd Phase) (2010-2011): Work in Nagarjuna CDU/VDU project as a Checker to complete the design and produce all deliverables as per schedule.
- 2009-2010:
  - Project: Cabinda Gas Plant Project: Assigned to CB&I office at site of Cabinda Gas Plant, Angola West Africa for 3 months was responsible for Tie-in verification and prepare marked-up drawings then updating isometrics and piping layout. Assignments: RFI Request for Information at site and technical support for all site (Piping Mechanical & Structural team).
  - Project: SOTCO Terminal – Sokhna – Egypt: Assignments: prepare piping study to extract MTO for feed package.
  - Project: SCPX Project – London Office – England: Assignments: prepare Site Plan drawings by using PDMS draft.

- Project: Sasref Project Saudi Aramco Shell Refinery (as Senior Piping Designer) (2008-2009): Assigned to CB&I office at Saudi Arabia for 3 months was responsible for construction supervision, as built drawing, mechanical completion and preparing punch list.
- Project: Nagarjuna CDU/VDU project (1st Phase) (2007-2008): Assignments: 3D modeling for the existing equipment and piping and generate isometrics.

**Dates** : From 1991 till 2007

**Employer** : Enppi, Egypt

- Job Description** :
- 16 years of experience in the Oil and Gas Industry.
  - Experienced in plant design piping using CADD (Computer vision System) and (PDS 3D Intergraph).3D Pro Pipe, Pro Iso and AutoCAD, Modeling Software.
  - Experienced in construction supervision, as built drawing, mechanical completion and punch list.
  - Full awareness and implementation of the Quality Management System.
  - Full awareness and implementation of requirements of the Environmental Management System (including the EMS Programs) and the applicable Environmental laws, regulations, codes, standards and other requirements.
  - 2000-2007: Piping Designer for the following projects:
    - Ugd, Port Said Ngl Process Plant.
    - Egc, Al Arish - Taba 36" Gas Pipeline.
    - Damietta Export Marine Facilities.
    - Burullus, Simian/Sienna On-shore Epc Contract.
    - Technip, Simish/Siene Controls Platform.
    - Cairo Electricity Co., Natural Gas Compressors for Cairo North.
    - Uhde, Abu Qir Ravaamp Project.
    - Abu El Gharadiq Field Development Heater and Desolter.
    - Midtap, Petroleum Products Loading, Professional Ser.
    - Midor Fire Fighting System Project (heat analysis study for heat network).
    - Suco, Ras Badran Platform (Engineering & Procurement) PDMS.
    - Gupco, Hapy Production Increase Project (3"Lts) PDMS SYSTEM.
    - Gupco\Bp, Taurt On-shore Detailed Engineering for Taurt PDMS.
    - Bapetco, New Pre-Compression Station Project.
    - Petrobel, Ismailia New Pumping Station PDMS SYSTEM.
  - 1996-2000: Junior Piping Designer for the following projects:
    - SOPC, Unit 16 Fire Fighting Detail Engineering Procurement and Construction. Responsible for Design and drawing as per standard code LPG, Gas Recovery.
    - MPC, Lube Oil Blending.
    - WEPCO, North Abu Qir (on-shore), Construction site Alex. Egypt.
    - OBAYIED Gas Plant, Construction site at west desert Egypt.
    - Gas Oil Dewaxing Detailed Engineering. Responsible for drawing by using AutoCAD.
    - PTB North Port Said concession Pliocene Pools Detail.
    - Bapetco, Wellhead Condensate Recovery, Basic Engineering.
    - Bapetco, Minimizing the Untrained Lube Oil to Wepco.
    - Egpc/Sidpec, Utilities & Offsite Facilities.
    - Gasco, Western Desert Gas Complex.

- Bapetco, Obayed/Amyra Pipeline, Epc.
- Zafco, Rozetta Field Development, Engineering Services.
- Zafco, Rozetta Field Development, Engineering Services, Area220.
- Zafco, Rozetta Field Development, Counstruction Supervision.
- Technip, Midor Refinery, Detailed Design.
- Afpc, Saban/Jarnof & Azraq Maleh Oil Expansion Project.
- Asorc Refinery Upgrading Epc.
- Midor, Fire Fighting System Upgrading. Responsible for Design and drawing sketch at site as per standard code by AutoCAD Drawing, Sokhna Port Ammonia Transport and Loading Facilities.
- Qantara Petroleum Company Qantara Well No.1 Development.
- Fuel Oil Storage Tanks at Pumping Station. Responsible for Piping Design Pumping Area and drawing by using PDMS system.
- 1991-1996: Plant Model Designer:  
Experienced in plastic modeling design for the following projects:
  - Gasco West Deseret Gas Complex, Basic Engineering.
  - MPC.
  - Transgulf.
  - Petrogas, LPG, Filling Station at Mostrod Area.
  - Emak, Paper Factory Model.
  - Bapetco, Plant Models For Bed 2/3 pre-commission in Western Desert.
  - Al Furat, Saban/Jarnof Expansion Project, Epc.
  - Zafco, Rozetta Field Development, Basic Engineering.
  - Light Naphatha Isomerization.
  - Tanak/Omar Vapour Recovery & Tanak Water Injection Integrated.
  - Brown & Root, Fabrication of Block Model for Obayed.
  - Agiba, Meleiha Field Development.

#### **MAJOR ASSIGNMENTS AND RESPONSIBILITIES:**

- Manufacturing model table equipment, structure and piping from Plastic stock and locate it in conjunction with drawing.
- Prepare single line pipe routing studies of plant areas.
- Prepare orientation drawings of simple vessels and towers including platforms and ladders.
- Prepare piping designs for individual plant areas ensuring that piping Design requirements and job specifications are followed.
- Participate in bill of material take off functions, including preparation of isometric take off.
- Use computer aided design and drafting techniques.
- On piping design and drafting.
- Responsible for complete design of areas of the process plant with limited supervision.