

102953-MEC-12456DEHM-E-2011
Mechanical Team Leader Engineer (MEP & Process)

Holds a B. Sc. in Mechanical Power Engineering and has about 13 years experience and a demonstrated history of working in the consulting field (HVAC, firefighting & Plumbing), process and maintenance field.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2011

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Autodesk AutoCAD (2D)
: Revit MEP
: Elite Firefighting
: AutoCAD Plant 3D (P&ID & PFD drawings)
: HAP
: Photoshop
: Fluidsim
: AFT Arrow
: Pipe Flow Expert

TRAINING COURSES AND CERTIFICATIONS

: Steam basics (Spirax Sarco) (Sep. 2021).
: Leadership (Nov. 2020).
: Communication Skills (Dec. 2018).
: Leadership (Oct. 2018).
: General English (Feb. 2018).

- : Business Technical Writing (2017).
- : Revit MEP 2016 (Apr. 2017).
- : Firefighting (Aug. 2016).
- : HVAC (Mar. 2016).
- : Revit MEP 2014 (online course).
- : Mini MBA (Feb. 2016).
- : General English (Sep. 2015).
- : Plumbing (Feb. 2015).
- : Firefighting (Apr. 2014).
- : PLC (Nov. 2013).
- : CNC (Oct. 2013).
- : Revit MEP 2013 (Oct. 2013).
- : HVAC (Apr. 2013).
- : Troubleshooting PLC circuits (Simutech Simulator) (Nov. 2012).
- : Troubleshooting motor circuits (Simutech Simulator) (Nov. 2012).
- : Troubleshooting control circuits (Simutech Simulator) (Nov. 2012).
- : Troubleshooting electrical circuits (Simutech Simulator) (Nov. 2012).
- : Refrigeration and Air conditioning, Don Bosco (Jul. 2012).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2024 till now
Employer : SETS Consulting
Job title : Mechanical Team Leader Engineer
Job Description :

- Leading junior engineers in design works related to mechanical systems for Firefighting & Plumbing.
- Prepare hydraulic calculation reports, BOQ & reports for firefighting & plumbing works.
- Revise firefighting system for buildings and sites.
- Revise plumbing system for buildings and sites.
- Design HVAC systems for buildings and sites.

Dates : From Jul. 2023 till Jan. 2024
Employer : PEC Consulting
Job title : Senior Mechanical Engineer
Job Description :

- Firefighting & Plumbing systems Bim Modeling (Revit) for RC projects (KSA).
- Leading junior engineers in design works related to mechanical systems for Firefighting & Plumbing.
- Prepare hydraulic calculation reports, BOQ & reports for firefighting & plumbing works.
- Design firefighting & plumbing systems for buildings and sites.

Dates : From Mar. 2023 till Jul. 2023
Employer : Sabbour Consulting

Job title	:	Mechanical Team Leader Engineer
Job Description	:	<ul style="list-style-type: none"> • Bim Modeling for Firefighting & Plumbing systems (Revit). • Leading junior engineers in design works related to mechanical systems for Firefighting & Plumbing. • Reviewing vendors' offers and equipment data sheets. • Prepare hydraulic calculation reports, BOQ & reports for firefighting & plumbing works. • Design firefighting & plumbing systems for buildings and sites.
Dates	:	From Jan. 2022 till Mar. 2023
Employer	:	Diar Consulting Group
Project	:	El-Mehwar Hospital (Mar. 2022 – Sep. 2022)
Job titles	:	<ul style="list-style-type: none"> • Senior Mechanical Engineer (Sep. 2022 – Mar. 2023) • Senior Firefighting & Plumbing Site Supervision Engineer (Mar. 2022 – Sep. 2022) • Senior Mechanical Engineer (Jan. 2022 – Mar. 2022)
Job Description	:	<ul style="list-style-type: none"> • Office Duties: <ul style="list-style-type: none"> - Leading junior engineers in design works related to mechanical systems for HVAC, Firefighting & Plumbing. - Reviewing vendors' offers and equipment data sheets. - Reviewing Mechanical documents P&ID, DWG, BOQ, ...etc. - Prepare hydraulic calculation reports for firefighting & plumbing works. - Design firefighting & plumbing system for buildings and sites. - Design firefighting system for oil & gas sites. - Design HVAC system for buildings and industrial sector. - Prepare BOQ for HVAC, firefighting and plumbing systems. • Site Duties: <ul style="list-style-type: none"> - Supervise firefighting and plumbing works. - Reviewing shop drawings. - Reviewing MIR and MAR documents. - Adopt IR related to firefighting and plumbing works.
Dates	:	From Jun. 2016 till Jan. 2022
Employer	:	EGYPTROL
Job title	:	Mechanical Team Leader
Job Description	:	<ul style="list-style-type: none"> • Leading mechanical senior and junior engineers in design works related to mechanical systems for projects in power generation, Oil & gas, and MEP. • Pumps and compressors sizing and selection. • Reviewing vendors offers and equipment data sheets. • Reviewing Mechanical documents P&ID, DWG, BOQ, ...etc. • Prepare PFD drawings. • Prepare P&IDs drawings for process systems (oil & gas and industrial section, steam, compressed air, suction, discharge, flare gas, ...etc.). • Prepare hydraulic calculation reports for process systems & MEP. • Prepare line and valve lists. • Design firefighting system for buildings and sites. • Design firefighting system for oil & gas sites.

- Design plumbing system for buildings and sites.
- Prepare BOQ for process, firefighting and plumbing systems.

Dates : From Feb. 2016 till Jun. 2016
Employer : Egyptian Geotech. & Structure Consulting Office
Project : Orlando (2) Village, El-Sokhna
Job title : Mechanical Site Supervision Engineer
Job Description :

- Supervise plumbing, irrigation and firefighting works.
- Adopt IR for Plumbing, Irrigation and firefighting works.

Dates : From Nov. 2012 till Feb. 2016
Employer : Computek International
Job title : Mechanical Maintenance Engineer
Job Description :

- Leading mechanical junior engineers.
- Instructor for education machines in the field of mechanical engineering such as "plumbing, hydraulic, electro hydraulic, pneumatic, electro pneumatic, refrigeration, air conditioning, CNC, 3D printer and 3D scanner".
- Instructor for virtual labs simulators for troubleshooting electrical circuits such as troubleshooting motor circuit, troubleshooting electrical circuit and troubleshooting control circuit.
- Responsible for maintenance for education machines such as "CNC, hydraulic, Pneumatic, air conditioning and Fluid".

Dates : From Jan. 2012 till Nov. 2012
Employer : Architecture & Building House
Job title : Mechanical MEP Design Engineer
Job Description :

- Design firefighting system (pipe sizing, sprinkler distribution and gas system).
- Design HVAC system "load calculation, air distribution and duct sizing".

Further experiences :

- Firefighting & Plumbing Instructor - EgyCet Center (Dec. 2013 – now).
- Firefighting Instructor - Future Center (Oct. 2018 – May 2019).
- Pneumatic & Hydraulic Instructor” - Volunteer - Resala Training Center (RTC) (Oct. 2015 – Apr. 2018).

Projects Samples:

- Resort at Libya – Hotel “HVAC system design CAD modeling” (Libya) (2024).
- SILZ VO Utilities Buildings “Water, Irrigation and sewage tanks design CAD modeling” (KSA) (2024).
- Sheikh Saleh Kamel New Palace “Firefighting, HVAC & Plumbing systems review design” (KSA) (2024).
- Madinah Bridges “Design water irrigation tank and pump room “Mechanical works, HVAC, firefighting & Plumbing systems CAD modeling” (KSA) (2024).
- Infrastructure works for 10th of Ramadan integrated waste management facility “Firefighting, HVAC & Plumbing systems Technical office review

- shop drawings & material submittals” (2024).
- Hitachi new Headquarter “Firefighting, HVAC & Plumbing systems CAD Modeling” (2024).
 - Qiddiya Construction City Mobility Phase 1 & 2 “firefighting system & Lift Station design for underpasses Revit & CAD modeling” (KSA) (2024).
 - Sahl Hasheesh Resort Design “Firefighting, HVAC & Plumbing systems Revit Modeling”. Also, “Firefighting, HVAC & Plumbing system CAD Modeling” for dry utilities buildings (2024).
 - Preparation & construction of schools in Mutrafiah - phase 4 “Firefighting & Plumbing system Revit Modeling” (KSA) (2023).
 - RC crisis management center (CMC) building “HVAC, Firefighting & Plumbing system Revit Modeling” (KSA) (2023).
 - Roads & infrastructure design for Marassi bay upper zone (MEP Works) (EMMAR) (2023).
 - ROADS & INFRASTRUCTURE DESIGN FOR R8 PARCEL IN MARASSI (MEP Works) (EMMAR) (2023).
 - Preparation & construction of fire station in RIC east area “MEP Works Revit Modeling” (KSA) (2023).
 - RIC economic zone shared facilities (KSA) (2023).
 - Preparation & construction of RIC royal commission building “Firefighting & Plumbing system Revit Modeling” (KSA) (2023).
 - Mohammed Al-Hokair’s Horizon Farm (Firefighting & Plumbing system design requirements) (KSA) (2023).
 - Preparation & construction of kindergartens in Mutrafiah phase 3 “Firefighting & Plumbing system” (KSA) (2023).
 - BIM modeling for Firefighting & Plumbing systems for NEOM project “Firefighting & Plumbing system Revit Modeling” (KSA) (2023).
 - KORRA - NCIC - Support Design Review Package 1, 2 (Firefighting system design review & civil defense report) (2023).
 - Siemens - Renovation Work for JICA Lot 1 in SCC and WADCC (HVAC, Firefighting & Plumbing scope) “Design & Revit Modeling” (2023).
 - TOTAL Energies - TOTAL Mostorod (Industrial Drainage System Upgrade) “design” (2022).
 - Helwan Cement “HVAC & Plumbing Design for WHRPP STG & WTP Building” “design & shop drawing” (2022).
 - Al Salam International Hospital (Firefighting civil defense report) (2022).
 - SIDPEC - CHP Plant (HVAC, Plumbing & Firefighting Engineering & Estimation Works) “pretender”.
 - Dar El-Shifa Hospital (Firefighting, Medical gas & Plumbing systems) “shop drawing” (2022).
 - El-Mehwar Hospital (Firefighting & Plumbing systems) “site supervision” (2022).
 - Al Asema Hospital (Firefighting system) “Design” (2022).
 - Methanol derivatives production plant (Firefighting system) “Design” (2022).
 - Gas Compressor Packages for Petrosannan AESE-6 Field (process scope for gas compressor) “Design” (2021).
 - Cairo North Power Plant (Firefighting system) “Design” (2021).
 - French Fries Factory (utilities systems for production line) “Design” (2021).
 - El-Tebbin Power Plant (Firefighting system) “Design” (2021).

- Al Layyah CCPP steam blowing 1,000 MW (Steam blowing scope) "Design" (UAE) (2021).
- West Qurna I - Power Generation & Distribution Phase 2 (MEP works tender stage) (Iraq) (2020).
- MANTRAC - CHP biogas genset 10MW Alexandria (Process systems for Genset) "Design" (2019).
- MANTRAC - 14.5MW genset Lagos (Process systems for Genset) "Design" (Nigeria) (2019).
- GE Power Substation at Karbala (tender stage) (Process & MEP scope) (Iraq) (2019).
- EPC gas compression plant at Badr petroleum site "oil & gas site" (process scope for gas compressor) "Design" (2019).
- Dangote Refinery Petrochemical Power Plant (process scope for gas compressor) "Design" (Nigeria) (2019).
- Assiut 1x650MW Supercritical PP (small pore piping routing scope) (2018).
- Port of Sokhna container terminal tender stage (DP World) (MEP works tender stage) (2018).
- GE substation 400KV SS at Tobrouk (MEP works) (Libya) (2018).
- ANRPC New Boiler - Steam Blow Scope (Steam blowing scope) "Design" (2018).
- Sokoto - Power Plant (Process systems for Genset) "Design" (Nigeria) (2018).
- ZEITCO Gabal ElZeit "oil & gas site" (Firefighting system) "Design" (2017).
- Firefighting scope for Meseda "oil & gas site" (Firefighting system) (2017).
- Sidpec CO2 Plant 2D & 3D "Revit & CAD" (Firefighting system) "Design" (2017).
- ZEITCO oil separation skid in Petrobel petroleum site (Firefighting system) "Design" (2017).
- Shoubra El-Kheima Power Station (Upgrading Firefighting system) "site supervision" (2017).
- Summed Sidi Krir site for Arab Petroleum Pipelines Cooperation (Upgrading Firefighting system) - "Design" (2017).
- SUCO camp (tender Stage) (Firefighting system) (2017).
- Cairo West Supercritical Power Station (CP-118 Package) (tender Stage) (2016).
- Assiut Supercritical Power Station (CP-118 Package) (tender Stage) (2016).
- Badr petroleum site "WEPCO" (Process & Firefighting systems) "Design" (2017).
- Orlando (2) Village "El-Sokhna" (Firefighting & Plumbing systems) "site supervision" (2016).
- Villa in Moon Village 5th Settlement (HVAC scope) (2016).