

101874-MEC-158CDHMn-E-2011

Engineering Proposals Specialist

Holds B. Sc. and M. Sc. in Mechanical Power Engineering and has about 8 years hands-on experience as a Mechanical Design Engineer, Mechanical Team Leader, Project Engineer and Engineering Proposals Specialist.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married
Residence : Fifth Settlement, New Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2011
: M. Sc. in Mechanical Power Engineering (Combustion Engineering), Ain Shams University, 2017

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Project
: AUTOCAD 2D and 3D
: Pipe Flow Expert (Hydraulic calculation for piping networks)
: Carrier Hourly Analysis Program (HAP)
: Elite Firefighting Software

TRAINING COURSES AND CERTIFICATIONS

: PRMG Part I – The Professional Program in Project Management Program.
: Awareness and Internal Auditing of ISO 9001:2015 (Middle East Management Systems and Training).
: Leadership Training for Managers (Dale Carnegie).
: Autodesk Inventor 9 (Vision Academy).
: AutoCAD 2D & 3D 2007 (Vision Academy).
: Matlab level one (Vision Academy).
: Introduction to Industrial & Personal Safety (by EXXON Mobil in Ain Shams University, Faculty of Engineering).

- : Course on Basic Pneumatic Systems.
- : Summer training at Arab Contractors facilities on: Internal combustion engines, Hydraulic systems and pumps, Engines overhaul and automotive engineering.
- : Summer training at Kharafi National equipment division in Kuwait for 2 months on: Maintenance of different types of equipments (light and heavy duty) and internal combustion engines.
- : Training at Power for air conditioning for 2 months on central air conditioning systems start-up, maintenance and operation (field).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2018 till now
- Employer** : [EGYPTROL](http://www.egyptrol.com)
- Projects** :
- Steam Blow for ANRPC, Alexandria, Egypt
 - CHP Biogas Genset Power Plant for Alexandria Waste Water Treatment Plant, Alexandria, Egypt
 - Base 2 Container Terminal – DP World Sokhna – Tender Stage, Ain Sokhna, Egypt
 - Design Review and Shop Drawings for the Evaporators Steel Structure at Jushi Sokhna Factory, Ain Sokhna, Egypt
 - Design Support for PO 113 for Assiut and Cairo West Power Plants, Egypt
 - Design for Steel Structure Project Inside the Spare Parts Storage Room at Air Liquide Facility in Saint Gobain Factory, Ain Sokhna, Egypt
 - Small Bore Piping Design for CP-118 Package – Assiut Power Plant, Egypt
 - Civil and Structural Design for the Hydrogen Plant inside Assiut Conversion Power Plant, Egypt
 - Civil and Electromechanical Design for 400/220KV Substation at Tobrouk, Libya
 - Gas Turbine Foundation Design for Baiji Power Plant, Iraq
 - 14.5MW Genset Power Plant for Dangote Oil Refinery, Dangote, Nigeria
 - Small Bore Piping Design for El Layyah Power Plant, UAE
 - Small and Large Bore Piping Steel Support Design for El Layyah Power Plant, UAE
 - Manpower Supply for the Drafting Works of Air Liquide ESR Project, Egypt
 - Electrical Design Works for Mamuda Bakery Factory, Nigeria
 - Gas Compression Plant at BED 1 Field, Western Desert, Egypt
 - Piping and Steel Structural Design for the Hydrogen Plant at Assiut Conversion Power Plant
- Job title** : Engineering Proposals Specialist
- Job Description** :
- Developing and maintaining proposals and pricing templates, documentation, statistics and status.
 - Evaluating and studying the Request for Quotations RFQs.
 - Supporting RFQs review with top management and participate in bid/no bid decision making.
 - Identifying the need for engaging third parties and obtain technical and commercial offers accordingly.
 - Conducting site visits and meetings with the client for data collection.

- Developing clear and concise technical and commercial proposals that support the sales strategy and overall business goals of the organization.
- Developing budgets, estimate man-hours and project schedule, in alignment with operating and supporting departments.
- Coordinating various administrative tasks related to compiling, organizing and producing materials to be included to the proposal, such as qualification packages, company records ...etc.
- Representing the design team in meetings with the customers to resolve technical and contractual issues and develop the related action plan, by defining innovative and efficient solutions to fit customer requirements.
- Responding to proposals inquiries and clarifications and update the proposals accordingly.
- Negotiating with the clients on terms and conditions as well as commercial offer.
- Supporting handing over the awarded projects to project management team.

Dates	:	From Jan. 2017 till Feb. 2018
Employer	:	EGYPTROL
Projects	:	<ul style="list-style-type: none"> • CCNN Sokoto Cement Factory New Power Plant (30MW), Sokoto, Nigeria: <ul style="list-style-type: none"> - Mechanical Team Leader for all mechanical works including HVAC, plumbing and storm drain systems. - Senior Process Engineer responsible for process P&IDs for different systems including HFO, Diesel oil, compressed air, cooling water, lube oil, air intake, exhaust, service water, industrial drainage and tip cooling systems. - Project Engineer coordinating Architectural, civil, piping, electrical, low current and mechanical works. • SDX Energy / Dublin Meseda Field Expansion, Ras Gharib, Egypt: <ul style="list-style-type: none"> - Mechanical Team Leader for the design of different firefighting systems for the Meseda Oil Field (Deluge foam water systems, cooling water systems, firewater systems). - Project Engineer coordinating civil, piping, stress analysis, electrical, low current, hazardous area classification and mechanical works. • New Skid Mounted Generators at Bed-1 Field, Badr Petroleum Company, Western Desert, Egypt: <ul style="list-style-type: none"> - Mechanical Team Leader for all mechanical works including Process systems, HVAC, and firefighting systems. • ZEITCO PETRO NEFERTITI Firefighting Engineering, PETROBEL Fields, Ras Abu Rudeis, Egypt: <ul style="list-style-type: none"> - Mechanical Team Leader for the design of firefighting deluge foam system. • Tender for firefighting systems design for SUCO Ras Fanar Field Camp Area, Ras Fanar, Egypt: <ul style="list-style-type: none"> - Senior Mechanical Engineer for the firefighting works of the pre-tender design stage.
Job title	:	Mechanical Team Leader & Project Engineer
Job Description	:	<ul style="list-style-type: none"> • Leading a team of 5 mechanical engineers through different projects, both functional and administrative wise.

- Responsible for planning, supervising, and reviewing all the mechanical works (Process, HVAC, plumbing, firefighting, medical and industrial gases, irrigation and storm drainage systems; as well as other industrial systems).
- Coordinating all the technical aspects of projects with the client as a project engineer, including all disciplines (civil, architectural, piping, stress analysis, electrical, and mechanical works); Handling projects' time schedule, all technical meetings and communications with the client and stakeholders of the project.

Dates : From Oct. 2015 till Jan. 2017

Employer : [EGYPTROL](http://www.egyptrol.com)

- Projects** :
- Tender for firefighting systems design for Petrosilah Concession, Al Fayoum, Egypt:
 - Senior Mechanical Engineer for the firefighting works of the pre-tender design stage.
 - Air Liquide CO2 Plant at Sidi Krir Petrochemicals Company (SIDPEC), Alexandria, Egypt:
 - Senior Mechanical Engineer for all mechanical works including HVAC, plumbing, firefighting, industrial waste, storm drain and makeup water systems.
 - Project Engineer coordinating civil, architectural, piping, stress analysis, electrical, low current and mechanical works.
 - Air Liquide VSA Plant at Jushi Factory, Ain Sokhna, Egypt:
 - Senior Mechanical Engineer for firefighting works.
 - Project Engineer coordinating civil, piping, stress analysis, electrical, low current and mechanical works.
 - Cairo West Supercritical Power Station, CP-102 Pre tender, Egypt:
 - Senior Mechanical Engineer for all mechanical works involved in the pre tender design stage including HVAC, Plumbing and firefighting works.
 - Assiut Supercritical Power Plant, CP-102 Pre tender, Egypt:
 - Senior Mechanical Engineer for all mechanical works involved in the pre-tender design stage including HVAC, Plumbing, compressed air and firefighting works.
 - Tender for fire detection and extinguishing systems upgrade in Sidi Krir - Sumed, Egypt:
 - Senior Mechanical Engineer for all mechanical works involved in the pre-tender design stage for firefighting works.
 - Tameya 220/66/11KV GIS Substation, Pre tender, Egypt:
 - Senior Mechanical Engineer for all mechanical works involved in the pre-tender design stage including HVAC, Plumbing and firefighting works.
 - Rehabilitation of Riyadh Industrial Waste Treatment Plant, KSA:
 - Senior Mechanical Engineer for all mechanical works including HVAC, Piping design for inlet building, all Hydraulic calculations for the drainage inlet line, discharge line, storage capacity, and pump sizing.
 - Project Engineer coordinating civil, Architectural, electrical, low current and mechanical works.

Job title : Senior Mechanical Engineer & Project Engineer

- Job Description** : • Responsible for planning, supervising, reviewing, and approving all the mechanical works (HVAC, Plumbing, Firefighting, medical and industrial gases, irrigation and storm drainage systems).
- Coordinating all the technical aspects of projects with the client as a Project Engineer, including all disciplines (Civil, Architectural, Piping, Stress analysis, Electrical, and mechanical works); Handling projects' time schedule, all technical meetings and communications with the client and stakeholders of the project.
- Dates** : From Mar. 2012 till Oct. 2015
- Employer** : [EConsult](#)
- Projects** :
- Pre-engineered Steel Factory, Egypt:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, Compressed Air, and water supply systems.
 - Aquarium, King Abdel-Aziz University, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, and water supply systems.
 - Media Center, Tower King Abdel-Aziz University, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, and rain drainage systems.
 - El Masrya Mall, Egypt:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC system.
 - El Shohadaa Islamic Center, Egypt:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, Medical gas, and Firefighting systems.
 - El Rodaf Royal Park, Taaif, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for rain storm drainage network.
 - El Sharqa Park, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for irrigation system.
 - El Safyea Park, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for irrigation system.
 - Al Tabib Medical Center, Egypt:
 - Redesign of HVAC and drainage systems.
 - Lakeview Villas, Egypt:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, and drainage systems.
 - Bioworks, Egypt:
 - Heat transfer analysis for pipeline system to assess material compatibility with working fluid.
 - Al Dammam Labor Camp, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for drainage and water supply systems.
 - Marsa Matrouh Desalination Plant (24000 m³/day), Egypt:
 - Preparing hydraulic calculations for different piping systems in the plant.
 - Taba Reverse Osmosis Desalination Plant, Egypt:
 - Preparing hydraulic calculations for different pumping systems in the plant.

- Ali Hussein Buobad Banafa Factory for Perfumes and Cosmetics, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, Compressed Air, Firefighting and Plumbing systems.
- Red Sea Cables Factory Expansion, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, Firefighting and Plumbing systems.
- Irrigation of Layla Villa, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for irrigation system.
- Irrigation of Eight Parks in Taif, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for irrigation system.
- Remela Seawater Reverse Osmosis Desalination Plant (24000 m³/day), Egypt:
 - Preparing hydraulic calculations for different piping systems in the plant.
- Aliab Sharq Irrigation Network, Sudan:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, Piping, Firefighting and Plumbing systems.
 - Preparing hydraulic calculations for pipeline and pump station capacity.
- Prince Turki bin Talal bin Abd El Aziz Al Saud Modi Masjed, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC and Plumbing systems.
- Dr. Musaed Al Aiban Private Residence, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC and Plumbing systems.
- Prince Nayef Private Farm House, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC and Plumbing systems.
- Al Damer Private Residence, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC and Plumbing systems.
- Remela Extension Seawater Reverse Osmosis Desalination Plant (24000 m³/day), Egypt:
 - Preparing hydraulic calculations for different piping systems in the plant.
- Grand Azura Hotel Reverse Osmosis Desalination Plant, Egypt:
 - Preparing piping detailed design for the plant.
- Green Valley Factory, Egypt:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, Compressed Air, and Industrial Gas system.
- Irrigation of Library Park in Madina, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for irrigation system.
- Irrigation of Community Park in Madina, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for irrigation system.
- Al Shabab Power Project Phase II – Converting Existing Simple Cycle to Combined Cycle Plant, CP-102 Pre tender, Egypt:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, Plumbing, compressed air and firefighting Works in the pretender Stage.

- West Damietta Power Project Phase II – Converting Existing Simple Cycle to Combined Cycle Plant, CP-102 Pre tender, Egypt:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, Plumbing, compressed air and firefighting Works in the pretender Stage.
- Irrigation of Al Hajrain Residential Compound Landscape, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for irrigation system.
- Saefta School – Kindergarten Building, KSA:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC and Firefighting systems.
- Cleopatra Plastics Factory, Egypt:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for Process Water and Firefighting systems.
- South Helwan Supercritical Power Plant, CP-102 Pre-tender, Egypt:
 - Preparing design calculations, AUTOCAD drafting, and BOQ for HVAC, Plumbing, compressed air and firefighting Works in the pretender Stage.

Job title : Mechanical Design Engineer

- Job Description** :
- Designing of HVAC, Plumbing and Firefighting systems.
 - Design of Medical gas systems.
 - Design of Irrigation and Rain Storm drainage systems.
 - Performing calculations and AUTOCAD drafting for previous disciplines.
 - Equipment selection.
 - Review final plans and specifications.
 - Preparing Bill of Quantities for projects.
 - Assessment of technical and financial offers submitted by contractors.
 - Performing hydraulic calculations for piping systems.
 - Performing heat transfer analysis in special projects.

Dates : From Jan. 2012 till Jun. 2019

Employer : Ain Shams University - Faculty of Engineering

Job title : Teacher Assistant at Mechanical Power Department

- Job Description** :
- Teaching the following courses:
- Automatic Control.
 - Fluid Mechanics.
 - Engineering Measurements.
 - Heat transfer.
 - Thermodynamics.
 - Turbo-machinery.