

Momen Mohamed Hamed

(Mechanical Engineer)

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Home Address: UAE - DUBAI

Driving License: Valid (EGYPT-KSA)



Education

- Bachelor's Degree in Mechanical Production Engineering Department, Faculty of Engineering, Al-Menofia University, Egypt, (2013).
- Graduation project: Fatigue life prediction in composite materials using dynamic analysis.
- Graduation grade : Excellent

Work history

➤ BASMAAT ENGINEERING CONSULTANT OFFICE – KSA

MECHANICAL ENGINEER

DEC 2019 – NOV 2021

Worked as a design engineer (HVAC-FIRE FIGHTING-PLUMBING) systems.

SUPERVISION of construction sites

- Work on (Auto CAD, HAP (Thermal load calculations), Duct sizing , Pipe sizing, - elite fire HYDRULIC CALCULATIONS).
- Meeting with clients and design teams to determine mechanical applications and requirements.
- Keep up to date knowledge of standards & codes (ASHRAE LOAD ESTIMATION & ASHRAE MECHANICAL POCKET GUIDE) SBC 501, SBC 801,701,702 & NFPA
- calculations and selection for D.X systems, circulation pumps, chillers, FCU and AHU for chilled water system EXHAUST FANS SYS ,FIRE PUMPS, FM200 & FOAM SOLUTION SYSTEMS, FHC& WATER TANKS SIZING
- Able to make BOQ for EQUIPMENTS, DUCT weight, ISOLATION, CLADDING, PIPES,sprinklers,Valves AIR OUTLETS & other materials

Sample of Designed Projects

- Elmajed primary schools for girls (HVAC-FIRE FIGHTING-PLUMBING)
- TASHILAT Petrol stations development (Jeddah-aldammam-makkah-tabouk-almadina-alehsaa) (FIRE FIGHTING-PLUMBING)
- (Alforsan –alkhaldah –aljood – derben – cartoon) factories (FIRE FIGHTING-SMOKE EXHAUST)
- ALMADINA FESTIVAL HALL (FIRE FIGHTING-SMOKE EXHAUST)
- Nadek STORES (GAZAN-BISHA-MAHAYEL-ABHA) (FIRE FIGHTING)
- ALREMAL & KORTOBA OFFICES (HVAC)
- FITNESS TIME & RESAINY SPORTS CLUB (HVAC)
- SAMSA stores (Hafar albaten- Hail-najran-qatif-gazan)(ventilation-plumbing)
- Residential,commercial units & villas located in Alqassim city
- Bolivard Haiel & bolivard Alrass (HVAC,FIRE FIGHTING)

➤ **OPTIMUM group construction co. – Egypt**

JUL 2017 – NOV 2019

Site Engineer (VENTILATION SYSTEM-FIRE FIGHTING)

Project: - Merry land arena (AQUA PARK& CASINO) RENOVATION CAIRO, EGYPT

OWNER: - MAGIC DREAMS INVESTMENT& REAL ESTAT DEVELOPMENT

PROJECT CONSULTANT: - SAG ENGINEERING & CONSULTING

PROJECT MANGEMENT: - AKL MANAGEMENT, ENGINEERING, VALUATION&COUNSELING BUREAU

Site Engineer (CHILLED WATER SYSTEM-FIRE FIGHTING)

Project: - NEW DISTRIBUTION BUILDING & COLD ROOM CAIRO, EGYPT

OWNER: - PFIZER GOLBAL MANUFACTURE CAIRO PLANT

PROJECT CONSULTANT: - EGECE ENGINEERING HOUSE OF EXPERTISE

Duties:

- Responsible for all installation & modifications
- Managing a large staff (sub-contractors & technicians)
- Review and approve contractor's invoices according to company policy
- Prepare all documentary for requests & inspections – material inspections - material submittal ...etc.
- prepare all DWG for modifications for all MEP lines
- Able to make BOQ for EQUIPMENTS, DUCT weight, ISOLATION, CLADDING, PIPES, AIR OUTLETS & sprinklers other
- Review all specifications, Technical & Financial offers for material and equipment's

➤ **(FRESH Air co.) CARRIER authorized distributor - Egypt**

HVAC Engineer

MAY 2014 – JUN 2017

Worked as a site engineer

Worked as a technical office engineer

Duties:

- Work on (Auto Cad, Hap, Duct sizing, Pipe sizing, Equipment Selection).
- Do calculations and selection for circulation pumps, chillers, FCU and AHU for chilled water system.
- Able to make BOQ for EQUIPMENTS, DUCT weight, ISOLATION, CLADDING, PIPES, AIR OUTLETS & other materials
- Responsible for all installation and repair
- Managing a large staff (technicians and contractors)
- Review and approve contractors invoices according to company policy

WORKED ON THE FOLLOWING PROJECTS

- POLLINATION LABORATORY – **AIN SHAMS UNIVERSITY HOSPITALS- CAIRO**
- SERVICE BUILDING – **SUEZ Oil COMPANY (SUCO) – RED SEA**
- CONTROL STATION - **CAIRO Oil Refining CO. –TANTA**
- ELECTRICAL STATION 1 – **CAIRO Oil Refining CO. – TANTA**
- STAFF HOUSING BUILDING – **MALL SHARM ELSHIEKH**
- ELECTRICAL STATION 2 – **CAIRO Oil Refining CO. – TANTA**
- OPERATING ROOMS -**SHOUBRA GENERAL HOSPITAL (KITCHENER)-CAIRO**
- EXAM BUILDING – **HELAWN UNIVERSITY-CAIRO**
- KOZZIKA store **PETROJET CO. — HELWAN**
- WATERWAY APARTEMENT,CAIRO,EGYPT
- DEGAS RESTAURANT ,CAIRO,EGYPT
- ELSHROUK scan LABORATORY — **ElMohndsen – GIZA,EGYPT**
- Residential,commercial units & villas –**CAIRO,EGYPT**

Computer Skills

Engineering Programs	AutoCAD	Very Good
	Revit MEP	Good
	Carrier HAP	Very Good
	Duct And Pipe Sizer	Very Good
	Elite Fire	
	MACQUAY DUCT SIZER	Very Good
Other Programs	Microsoft Office Word, Excel, Power Point	Very Good

Training and Courses

- HVAC ,FIRE FIGHTING DESIGN course at House of Engineers & syndicate of engineers
- Customer retention at GB auto academy, July – Nov 2015.
- Engine managing service at GB auto academy, Sep – Dec 2015.
- Solid Works 3D course at syndicate of Engineers, July – Sep 2012.
- (AutoCAD) at public service Centre, Menofia university, Feb– May 2012.
- Gas welding at technical training center affiliated to the Ministry of trade and industry, 2011.
- Computer numerical control (CNC) training at public service Centre, Menofia University, 2011.

Language

Arabic: Fluent (Mother tongue).

English: Very Good.