

102844-MEC-6CDEHM-E-2012
Fire Fighting & Plumbing Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 4 years hands-on experience working in HVAC, fire fighting and plumbing.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/12/1989
Gender : Male
Marital Status : Single
Residence : Ain Shams, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2012

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD, Revit MEP
: Elite (for calculating fire fighting hydraulic calculations)

TRAINING COURSES AND CERTIFICATIONS

: PRMG (Professional Project Management Program), Certified from the American University in Cairo (AUC):

- PRMG 010 (Project Management Planning & Control) (AUC).
- PRMG 020 (Project Management Resources) (AUC).
- PRMG 025 (Project Management international standards) (AUC).
- PRMG 035 (Cost Management for Engineering Projects) (AUC).
- PRMG 080 (Bids & Contracts) (AUC).
- PRMG 095 (Risk Management) (AUC).
- PRMG (Professional Project Management Program) Completion (AUC).

: PMP Exam Preparation Course.

: I had a training in Enppi Company covered the following topics:

- HVAC.
- Combustion (Boilers).
- Material selection.
- Solid handling.

- Machinery.
 - Pressure vessels.
 - Tanks.
 - Piping (Design, Stress Analysis, Technical Piping).
- : I have got a training in Arab Organization for Industrialization (Sakr Factory) for two weeks at Mechanical Field covered these topics:
- Welding.
 - CNC machines.
 - Automatic Control (Hydraulic, pneumatic).
 - Furnaces.
- : Training in Massa Consulting LTD for two months covered Welding Inspection (non-destructive tests):
- I have got a training as an Inspection Engineer In Massa Consulting Ltd (Welding inspection).
 - I had training in Eipet project in Ain Sokhna for two weeks as one of Massa welding inspectors team for:
 - Arcons Tanks.
 - Process Piping: Astrons, Al Hashemiya, Al Hossam.
 - WQT (Welder Qualification Test).
 - Good command of Radiographic techniques:
 - D.W.S.I (Double Wall Single Image).
 - D.W.D.I (Double Wall Double Image).
 - S.W.S.I (Single Wall Single Image).
 - Good command of IQI (Image Quality Indicator).
 - Good command of interpret results according to ASME B31.3 (Process Piping), API 1104 (Pipelines), ASME IX (WQT).
 - Participate in interpreting Radiographic Test Results of companies (Energya, Town Gas, City Gas, House Gas, Egypt Gas, Qarun Petroleum Company, EMC, Orascom construction industries (OCI)).
 - Good command of radiographic films Processing:
 - Developing.
 - Washing.
 - Fixing: Fixing the Image on the film.
 - Drying: to make film ready for interpretation.
 - Good knowledge about LPT (Liquid Penetrant Test) as spreading Liquid penetrant (red color) on the weld for a period of time then using removal for liquid penetrant like (Water) then adding Developer (white color), notice that Red Liquid Penetrant appeared indicating the type of welding defect on the surface of weld.
 - Good knowledge about MT (Magnetic Test).
 - Participate in an inspection job (Ultrasonic test) in National Cement Company.
 - I left Massa because of exposing to gamma ray for long durations without any safety precautions.
- : AutoCAD 2D (MTC).
- : Revit MEP (MTC).
- : Hydraulic essentials (ITC).
- : Central Air Conditioning (ITC).
- : General English (British Council).
- : Oral Communication (English Conversation) (AUC).

- : IELTS Exam Preparation Course (Future Learn & British Council).
- : GRE (Graduate Record Examination) Quantitative (Math) Preparation Course (AUC).
- : GRE (Graduate Record Examination) Qualitative (English) Preparation Course (AUC).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2014 till now
- Employer** : Electromechanical Design Center (EDC)
- Job title** : Fire Fighting & Plumbing Engineer
- Job Description** :
- Make fire fighting and plumbing design and supervision of Construction works which related to fire fighting and Sanitary.
 - Sometimes I work as HVAC Supervision Engineer to submit HVAC ducts installation (first fix) and testing ducts (Smoke test & Lighting test) and reviewing ducts weights (Quantity survey).
 - In EDC I work as a Project Engineer, as role of EDC in the projects can be Electromechanical Main Consultant or Contractor Consultant, but EDC often be the electromechanical main Consultant in the projects which take over.
 - Preparing:
 - FF & PL Design.
 - FF & PL Shop drawing.
 - Looking up & Composite Piping Plans.
 - Bill of Quantities (BOQ).
 - Variation orders (VO).
 - Material Submittals (MS).
 - Shop drawing submittals.
 - Drawing lists.
 - Inspection Request (IR).
 - Material inspection Request (MIR).
 - Non Conformance Report (NCR).
 - In addition to (making Sites survey, participate in primary & Final projects Hand over).
 - GPRS (Green pyramid Rating System).
 - (Tender) selecting the optimum Contractor for the projects.

- Dates** : From Sep. 2014 till Nov. 2014
- Employer** : Kadous International Company (TAMKCO)
- Projects** :
- Mall (B303) – New Cairo
 - El Hayat Residence Mall – El Shorouk City
- Job title** : Mechanical Site Engineer

- Dates** : From Nov. 2013 till Aug. 2014
- Employer** : National Paints
- Job Description** :
- Maintenance / Operation Engineer, execute Production Plan for Powder Coating factory.
 - Process Engineer, responsible for production and maintenance for production line powder Coating. My main task is monitoring the production line and find fast solution for the main reason that make a lot

of losses in product and be the contact person between production and maintenance.

- Dates** : From Jul. 2013 till Nov. 2013
Employer : Modern System Engineering (MSE) Company
Job title : Fire Fighting Technical Office Engineer
Job Description :
 - Specifications Study.
 - Preparation of:
 - Bill of Quantities (BOQ).
 - Financial Offers.
 - Technical Offers.
 - Design of Fire Fighting System according to NFPA (National Fire Protection Association).
 - Prepare the Hydraulic Calculations by using Elite.

Projects I have participated in design and supervision of FF & PL Construction works:

- Hospitals:
 - Ahnasia (design & BOQ).
 - Mallowy (design & BOQ).
 - Abo Teige (design & BOQ).
 - Sadr El Giza (design & BOQ).
 - Abo Tesht (design & BOQ).
 - Manfalot (design & BOQ).
 - Abo El Menaga (design & BOQ).
 - Al Negila (design & BOQ).
 - Luxor (design & BOQ).
 - Dishna (design & BOQ).
 - Yanboa (design & BOQ).
 - El Maadi (design & BOQ).
- Banks:
 - National Bank of Egypt (NBE) Branches:
 - NBE (Giza Pyramiza).
 - NBE (El Kronfel) - New Cairo.
 - NBE (Water Way) – New Cairo.
 - NBE (El Manial).
 - NBE (Hadabet el Ahram).
 - NBE (El Nile St., Agouza).
 - NBE (Awsim).
 - NBE (Ben El Sarayat).
 - NBE (El Shona) – Damanshour.
 - NBE (El Hamad) – New Cairo.
 - NBE (Cairo Festival) – New Cairo.
 - NBE (Mall of Egypt).
 - NBE – El Motamayez (6th October City).
 - NBE (SOHO) – Sharm El-Sheikh.
 - NBE (VIP Zone) – Teriomf.
 - NBE (El Hawamdeya).
 - NBE (Tala – Menofia).
 - NBE (Nabaroah – Dakahlia).
 - NBE (Meniat Elnasr – Dakahlia).
 - NBE (El Ahram).

- NBE (Sers Elilian – Menofia).
- Commercial International Bank (CIB):
 - CIB (Head Office I) – Smart Village.
 - CIB (Head Office III) – Smart Village.
 - CIB (Head Office) – Merry land.
 - CIB (Head Office 4) – Smart Village.
 - CIB – El Laselky Branch – El Maadi.
- Ahly United Bank (AUB): AUB Branch – Galleria Mall – El Sheikh Zayed – 6th October City.
- SAIBANK:
 - SAIBANK – Bavarly Hills.
 - SAIBANK – Incoliz – Dokki.
 - SAIBANK – El Haram – Giza.
 - SAIBANK – El Zamalik.
 - SAIBANK – Stella – New Cairo.
 - SAIBANK – Loran – Alexandria.
 - SAIBANK – Port Said.
 - SAIBANK – Shooting Club – El Dokki.
- Credit Agricole Bank: Zaker Hussien branch – Nasr City.
- The United Bank:
 - UBE – New Cairo.
 - UBE – Shooting Club – El Dokki.
 - UBE – Suez.
 - UBE – Galleria 40 – Zayed.
- Arab Investment Bank (AIBK):
 - AIBK – El Zamalik.
 - AIBK – Ismailia.
 - AIBK – City Stars.
 - AIBK – Omarat Elobour.
- Emirates National Bank of Dubai (ENBD):
 - ENBD – International Park – Down Town – Alexandria.
 - ENBD – Cournishe El Maadi.
 - ENBD – Point 90 – New Cairo.
- National Bank of Kuwait (NBK):
 - NBK – Smart Village.
 - NBK – El Mansoura.
 - NBK – Sohag.
- HSBC Bank:
 - Gilla – 6th October City.
 - El Mokattam.
 - El Gezira Club.
 - El Maadi Club.
 - El Zamalek.
 - El Korba – Heliopolis.
 - Borg El Arab – Alexandria.
 - El Mirage – Down town – Alexandria.
 - Loran – Alexandria.
 - Kafr Abdo – Alexandria.
 - El Mansora.
 - Port Said.
- El Mashreq Bank:
 - Shehab St., El Mohandeseen.
 - 10th of Ramadan City.

- Barclays Bank: El Hegaz Square – Heliopolis.
- Abu Dhabi Islamic Bank (ADIB): ADIB – Garden City.
- Malls:
 - Sky Mall.
 - Town Star.
- Carrefour (Degla El Maadi).
- Transit Café.
- Palastine Consulate – El Dokki.
- Planning Institute – Salah Salem.
- Agricultural Research Centre (ARC).
- NASCO – New Cairo.

Further experiences : GPRS (Green Pyramid Rating System):
 I also participated in preparing and processing CIB (Head office 3) in Smart Village for (GPRS) Green Pyramid Rating System Certificate in (Fire fighting and Plumbing section) such as:

- Using Solar water heaters instead of Electric water heaters which can save 32 KW.
- Gray water system for waste water treatment which can be used for flushing tanks of water closets inside the building to save domestic water (Water Supply Consumption).
- Carrying out Green wall for the building with Irrigation system.
- Using FM-200 (Clean agent) Automatic Fire fighting system instead of CO2 (Carbon dioxide) System even for Generator room & Transformers Rooms & R.M.U Room.
- Using FM-200 Fire Search for Electric Panels instead of CO2 Fire Search.
- Using Photo Cell mixers for lavatories.

Field of experience :

- Good command of HVAC Central Air Conditioning System.
- Good command of Fire Fighting Systems & Plumbing.
- Aware about project management strategies.
- Aware about Human Resources strategies.
- Aware about Quality Control & Quality assurance systems.
- Good Command of GPRS (Green Pyramid Rating System).
- Welding inspection skills:
 - Good command of Radiographic Test.
 - Good knowledge about LPT (Liquid Penetrant Test).
 - Good knowledge about MT (Magnetic Test).