



AIR MOTION CONTRACTING

شركة ايرموشن للتكييف المركزى وأنظمة الحريق والإنذار





CONTENTS

Introduction	2
Our Vision - Our Mission	3
Services - Our activities	4
Engineering	5
Mechanical works	6
HVAC	6
Firefighting	7
Plumbing	8
Electrical works	9
Low Voltage	9
Low Current	10
Trading	11
Maintenance	12
Our Projects	13
Our Valuable Clients	14

WELCOME TO AIR MOTION CONTRACTING

AMC has the technical capability to provide advanced BIM solutions and CAD drafting/Detailing services. We maintain MEP design proficiency to facilitate engineers for designing and detailing high performance mechanical, plumbing and HVAC Systems.

The precise drafting skills of our team enable to organize designs professionally and exploit the efficiency for an integrated construction process. Our services are associated with design development right from concept, detail design to installation phases and are directed towards serving clients to meet their project goals competently.

A design that supports clash free installation and higher sustainability is our core strength.

OUR EXPERT PEOPLE

WE HELP YOU TO COMPLETE YOUR WORK

Dr.Hammad Wasel
General Manager



Air Motion Contracting

Air Motion Company for central air conditioning, fire and extinguishing systems

Motion General Contracting

- * Keeping the project on the appropriate timeline.
- * Ensuring a quality build within the timeline
- * Managing skilled subcontractors and labors
- * Ordering materials related to the build
- * Working with the Vendors to ensure the correct deliveries
- * Consulting
- * BIM
- * Technical Office

OUR VISION

To become one of the leading and most reliable MEP contracting and trading companies in Middle East.

OUR MISSION

Guided by our vision we shall deliver high-quality, cost-effective projects on schedule and enhance our client's satisfaction through continuous improvement of our business practices in terms of safety, quality, and service delivery as well as sound environmental awareness policies.

MEP WORKS

BENEFITS OF BIM MODELING

COORDINATION: Modernize communication with 3D visualization among all participants for quick decision making during design and pre- construction phase.

EFFICIENCY: Reduce RFI's, work slowdowns and rework by checking the precision and fullness of drawings before starting construction on- site/off-site.

QUALITY: Refining Quality by producing accurate Shop Drawings directly from the 3D BIM model which could also be used for pre- fabrication, Quantity take-off's and data base for asset management.

SAVINGS: Pre-construction and Pre-fabrication reviews facilitating better utilization of manpower, better construction quality, minimizing rework and wastage, all of which translates into cost efficiency



MEP MODELING SERVICES

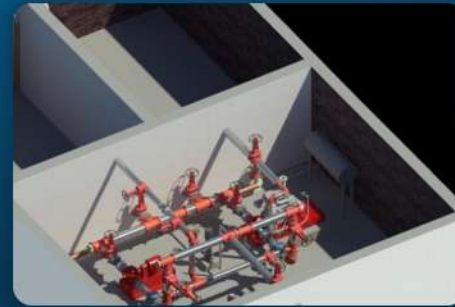
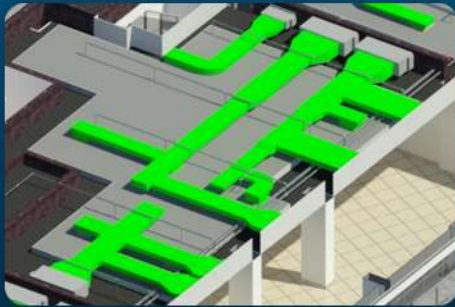
We provide MEP modeling solutions to confirm design data and create accurate construction documentation for Revit MEP projects. We emphasize on providing Revit MEP 3D modeling solutions to architects, general contractors, MEP engineers, homebuilders and retailers through our years of experience, adaptive technologies and professional expertise.



WE PROVIDE THE FOLLOWING MEP MODELING SERVICES:

- Coordination among different MEP trades
- Revit MEP 3D Modeling
- Clash detection
- Builder's working drawings
- Parametric modeling as well as library creation for the HVAC and MEP components, which can be used as a data base for operations.
- Detailed section reviews, schedules and bills of materials
- Fabrication drawings
- Shop drawings

Our modeling services team is led by professional electrical and mechanical engineers who can handle all aspects of an MEP modeling project.



HVAC DESIGN/DETAILING SERVICE

We specialize in the simulated construction of 3D BIM models using a range of inputs including contract documents, specification sheets, design documents and equipment submittals. The final model is generated after resolving any clash by re-routing ductwork, changing elevations and duct re-sizing. Value Engineering and Design Validations are also offered.

OUR HVAC DUCT DESIGN AND DRAFTING SERVICES INCLUDE THE FOLLOWING:

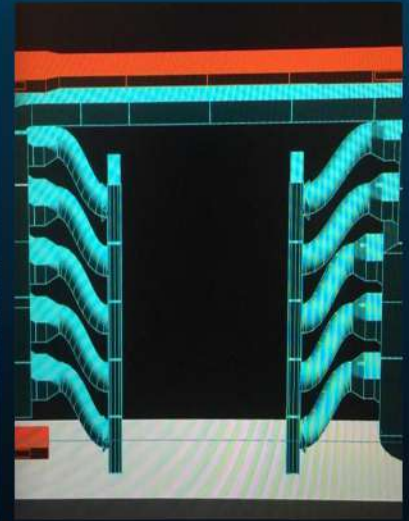
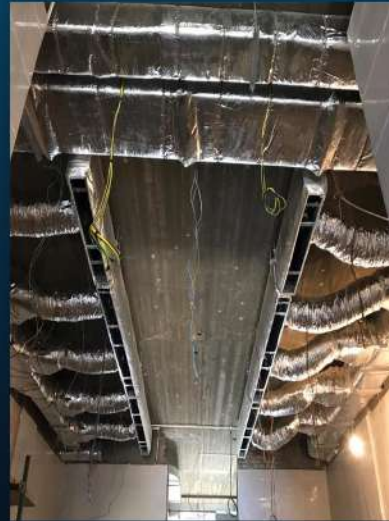
- Co-ordinating drawings, specifications and shop drawings
- HVAC duct design, drafting, and engineering solutions
- Design layout drawings and duct sizing
- Design and development of construction drawings
- Typical Details, control diagrams, schedules, schematics and legends
- Cooling load calculations
- Equipment selection, terminal connection details and sizing
- Piping layout
- Submittals, mechanical equipment layouts, sections and elevation drawings
- Plant Room detailing



ENGINEERING

To become one of the leading and most reliable MEP contracting and trading companies in Middle East. Arcsine broad range of engineering services and solutions include:

- Conceptual and preliminary engineering
- Evaluation of tender documents
- Design review and value engineering
- Project cost estimation
- Equipment and materials procurement
- Planning and scheduling
- Detailed design & shop drawings
- Inspection, quality assurance and control
- Testing & commissioning
- Operator training



ENGINEERING

HVAC

We install, maintain and repair climate-control systems in homes, schools, hospitals, factories, hotels, offices,... providing thermal comfort and maintaining good indoor air quality is our main purpose. Arcsine strives to install systems with the perfect quality-cost balance that successfully provides superior air quality while incurring low energy costs and allowing easy maintenance. We follow blueprints and specifications for installation, inspect and maintain systems, install controls, test individual parts, and replace worn-out components.

- Ventilation (extract and fresh air fans).
- Air filtration systems.
- Chilled water systems.
- DX / VRV systems.
- Package units.
- Fan coil units and air Handling Units.
- Ecology Units.
- Fabrication and installation of GI sheet ducting.



FIREFIGHTING

The reliable protection systems we install have one main purpose which is to prevent the interruption of services necessary for the public welfare and avoid area wide conflagration, all the while putting the safety of life at the utmost priority.

- Fire suppression systems.
- Fire pump rooms.
- Clean agent systems.
- Fire extinguishers.
- Fire hose cabinets.
- Fire hydrant systems.
- Automatic sprinkler systems.
- Dry and wet riser.



PLUMBING

Air Motion puts lots of emphasis to ensure that every plumbing system installed is equipped with well sized and securely connected pipes, drains, fittings, valves, valve assemblies and devices for the proper distribution of water. Our Designers always assure to implement global and Egyptian regulations and standards to guarantee delivering best quality. The plumbing systems that we specializes in:

- Sanitary and drainage systems.
- Water distribution.
- Water treatment Pumping stations.
- Swimming pools.
- Solar Heaters.
- Kitchen and laundry plumbing.
- Irrigation systems and controls.
- Sand traps and grease traps.



ELECTRICAL WORKS

Arcsine puts lots of emphasis to ensure that every plumbing system installed is equipped with well sized and securely connected pipes, drains, fittings, valves, valve assemblies and devices for the proper distribution of water. Our Designers always assure to implement global and Egyptian regulations and standards to guarantee delivering best quality. The plumbing systems that we specializes in:

- Grounding.
- Main Distribution Boards (MDB).
- Secondary Main Distribution Boards (SMDB).
- Final Distribution Boards (FDB).
- Cables.
- Lighting fixtures.
- Sockets.
- Emergency power systems (Generators, UPS).



LOW CURRENT

Arcsine engineers low voltage systems that distributes power where is needed, safely and reliably, while providing optimal protection for personnel and equipment. Our range of low voltage distribution elements includes:

- Data and Communication.
- Fire Alarm.
- Access Control.
- Queue Management System.
- BMS (Building Management System).
- Audio Visual.
- Lighting Control System.
- Video and Audio Intercom System.



TRADING



CLIENT

Air Motion represents several international brands in the Egyptian market to cover the market needs as well as our MEP requirements.



CLIENT

Air Motion represents several international brands in the Egyptian market to cover the market needs as well as our MEP requirements.



ASSAF®



SHAKER
CONSULTANCY GROUP



SAMCRETE



COSMOS E
Engineering & Construction



مستقبل
مشرق
للتنمية المستدامة
دولة الشراكة



HASSAN ALLAM
CONSTRUCTION

PROJECTS



RICH BAKE



POLICE SPORTS UNION
BUILDING THE PLAYERS HOTEL



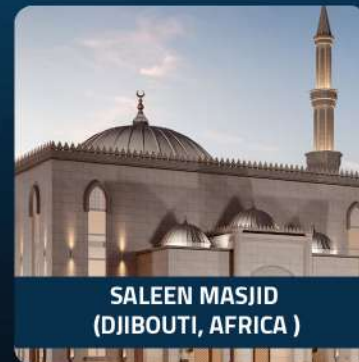
MOUNTED POLICE
HOSPITAL



AL RAYAN HOTEL
(DJIBOUTI, AFRICA)



SALEEN COMMERCIAL
BUILDING (DJIBOUTI , AFRICA)



SALEEN MASIJD
(DJIBOUTI, AFRICA)

PROJECTS

- * Wadi Al-Natron Prison Hospital
- * Abasia Police Horses Hospital
- * Al-Darrasa Police Sports Association
- * New Administrative Capital Presidential Palace
- * Hassan Allam Administrative Building in Sheraton
- * AbuAuf Egypt
- * New Administrative Capital Monorail Central Station
- * Qumash Fabrics Egypt
- * Bokara Carpets Egypt
- * Turquoise Jewelries
- * Labs For Elswedy ODP
- * Perla Plaza
- * Rich Bake Factory (October – Obour – Alsadat)
- * Islamic International Company for Paints and Chemical Industry Owned to United Bank

CONTRACTORS

- * Orascom
- * Hassan Allam
- * Samcrete
- * Elsewedy
- * Green Modeling
- * Acasys International

CONSULTANTS

- * Shaker
- * Cosmos
- * Alafify
- * ECG
- * Alassaf
- * Bait Alhandasa



+201140008788

44 Ahmed Mohamed Ibrahim Street
Off Abbas El Akkad Street Eighth District
Nasr City - Cairo - Egypt

hammad.wasel@airmotioncontracting.com

csis2020@yahoo.com

www.airmotioncontracting.com