MSC

MECHANICAL SOLUTIONS

Company Profile

MEP and infrastructure contracting: fire protection, HVAC, plumbing, swimming pools and underground networks.

2026

Who we are

MSC for Modern Building is an Egyptian MEP and infrastructure contractor. We have delivered more than 50 projects for developers, hospitals, hotels, factories and commercial buildings across Egypt.

50+
Projects delivered

20+
Developers and companies worked for

8
Specialist scopes

We install and commission HVAC, plumbing, fire fighting, fire alarm, and gaseous and aerosol suppression systems, together with the underground water, fire and drainage networks that serve them, and the mechanical side of swimming pools.

Our work is judged on execution quality, technical compliance and safety, and on how well we coordinate with the consultant and the main contractor.

Every system is designed, installed and tested to the code that governs it. The references we work to on site and in the technical office are NFPA, FM Global, ASHRAE, SMACNA, the International Plumbing Code and the Egyptian Code.

Vision

To be a trusted MEP and infrastructure contracting partner, recognized for reliable execution, technical competence and long-term professional relationships.

Mission

To deliver high-quality MEP and infrastructure works through professional engineering practices, skilled site execution, and strict adherence to approved drawings, specifications and applicable codes, completing every project safely, on schedule and to the client's full satisfaction.

What we build



HVAC systems

- Ducted split air conditioning
- Ventilation and exhaust air systems
- Chilled water piping networks
- Testing, balancing and commissioning



Plumbing systems

- Potable water supply
- Sanitary and rainwater drainage
- Water storage tanks and plumbing fixtures
- Booster pump sets, testing and commissioning



Fire fighting systems

- Automatic sprinkler systems
- Fire hydrant and hose reel systems
- Fire pump rooms with electric, diesel and jockey pumps
- Foam systems for diesel and fuel tanks



Fire alarm systems

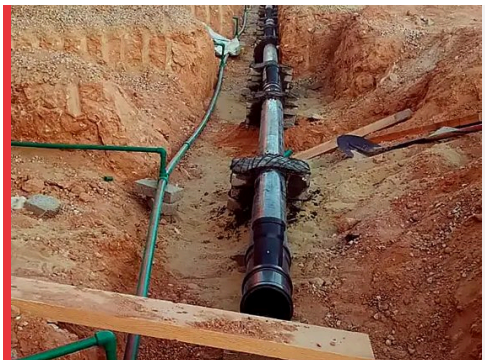
- Addressable and conventional systems
- Detectors and manual call points
- Control panels and notification devices
- System testing and coordination

What we build



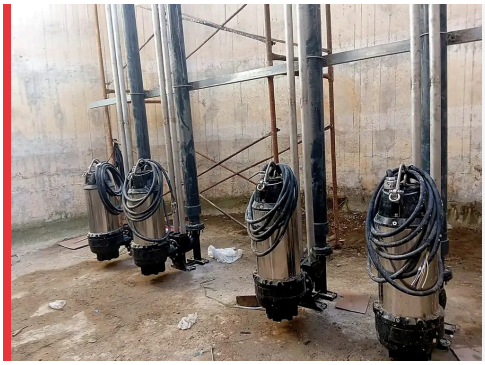
Gaseous and aerosol suppression

- FM-200 and Novec 1230 systems
- CO2 total flooding systems
- Aerosol suppression systems
- Release panels with manual and abort stations



Infrastructure networks

- HDPE water, fire and irrigation networks
- Sanitary and storm drainage networks
- Manholes and inspection chambers
- Butt-fusion welding of HDPE pipe



Pump rooms and lifting stations

- Fire, domestic and irrigation pump rooms
- Sewage lifting stations and wet wells
- Installation and commissioning



Swimming pools

- Sand filters and circulation pumps
- Skimmers, inlets and pool pipework
- Deck showers and drainage
- Testing and start-up

How we work

Skilled site teams

Trained crews and experienced site engineers install to the approved drawings, specifications and method statements, with a supervisor on site the whole time.

A working technical office

Shop drawings, material submittals, quantity take-offs, method statements and as-built drawings are prepared in-house and kept in step with the site through testing, commissioning and handover.

Coordination

We work closely with consultants, main contractors and the other trades, so clashes and site issues are resolved early instead of on the day.

Schedule

Milestones are planned against real manpower and material availability, then tracked on site until they are met.

Health, safety and environment

Our people, equipment and sites are protected first. Safe work is a condition of every activity, not an add-on.

Codes and standards

Every system we install follows the code that governs it. These are the references we work to on site and in the technical office.

NFPA
Fire fighting, fire alarm and gas suppression

FM Global
Property loss prevention data sheets for fire protection

ASHRAE
Ventilation, refrigeration safety and energy in HVAC

SMACNA
Duct construction and sheet metal standards

IPC
International Plumbing Code for water supply and drainage

Egyptian Code
Fire protection, HVAC and plumbing

Trusted by

Wadi El Nile Group	El Qantara West Hospital El Demerdash Hospital Abbassia Chest Hospital
Amer Group for Tourism Development	Porto Said Village Porto Said Hotel Oval Towers, North Coast
Delmar for Tourism Development	Porto Marina Hotel Porto Golf Marina Village
Tropi 2 Tourism Development	Porto Sokhna Hotel Development Celebration West Beach
New Alamein for Real Estate Development	Residential and touristic buildings, Porto Golf Marina
CRC Dorra	Burouj, Village West
Industrial and commercial	Glass manufacturing plant, Ain Sokhna industrial zone The Gray Mall, New Cairo Marsa Matrouh railway station

We have also worked with Tomas Real Estate Investment, Robel for Real Estate Development, Modern Construction Company (MCC), HAIBA Real Estate Investment, MASSIVE, Tulua Developments, Redcon Construction and Concrete Plus JV, Arab Investors Company, Al Naghi for Real Estate Development and Al Ahd Al Gadeed Development.

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