

# **EMAC** electromechanical

Electrical | ELV | Plumbing | HVAC | Firefighting | Specialized Services



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**EMAC** an electromechanical engineering company established in 2007 specialized in rendering its expertise in execution from pre-construction services to complete turn-key projects in various sectors - Commercial & Residential, Hotels and Hospitals, shopping malls, Data centers, Industrial Projects and Oil & gas projects.

The expertise in various engineering fields with the backup of a team blended with experience and dynamism ensure optimized solution with international quality standards.

We implement latest management innovations with tried-and-proven execution techniques to produce a cutting-edge construction system guaranteed to give you complete control over every phase of project operations.

EMAC Electromechanical an integral part of Rove group which has a diversified business portfolio in the field of Shipping, Minerals and commodities, LV & MV Switchgear, Electrical Trading, and Building Automation. Building on a foundation of in-depth knowledge and expertise with a framework of best practice and giving utmost value for quality with our application based total solution's we have demonstrated the power of partnerships in attaining strategic mutual growth since our inception in 1997. With an impressive global footprint, the Group operates now in the entirety of the MENA region.





## MISSION AND VISION

To be a dominant player and a preferred choice for clients globally in the field of Electromechanical Engineering.

Delivering timely cost effective engineering systems and solutions for the projects by following the international norms in terms of quality, safety and environmental standards to build the foundation of client satisfaction.





## QUALITY POLICY



Quality is integral to EMAC's business philosophy. It reflects the organisation's deep desire to deliver the best to the clients. There is a quality control mechanism in place which ensures only materials of outstanding quality is sourced for the project execution, The idea of quality encompasses every aspect of operations covering administration, finance, marketing, design, planning, execution and services.

At EMAC, Quality is not just a word. It is a value that all our employee believe in order to deliver the highest quality products and services to our customers.





EMAC Electromechanical is committed to the practice of sound safety programs through which a safe and healthy working environment is always provided and maintained during the construction phase.

The company fully acknowledges its responsibility towards the compliance to health, safety and protection of environment

Compliance with the safety plan is mandatory in all levels, and it has always been company's policy to take disciplinary action towards the part that does not comply with the safety requirements stipulated in the HSE plan. The purpose of this safety policy is to carry out the project in a manner that ensures the safety to all those who work or visit the site

## HSE POLICY ...







## TEAM ...

**At the core of our company is our team.** Together we blend all our talents to form a unique skill set resulting in successful project completions, which adds up to success of our company.

- Feasibility studies - Tender & Estimation Dept:

Duties here includes preparation of detailed BOQ and all pre-requisite documents for participating in techno-commercial bids, as per Client's/Consultant's design drawings and specifications

- MEP Design - Design & Drafting dept:

Consists of qualified engineers and draftsmen who has immense experience in developing detailed design as per the consultants design and specifications provided.

- Detailed Engineering - Planning & Budgeting Dept:

Preparation of detailed baseline project schedule as per the contract period and timely tracking and updation of the same eliminates any factors which may cause delay to the project

- Project Management - Project Execution Dept

The project team comprises of bunch of qualified and experienced technicians and labors lead by a group of Engineers and supervisors who has been in the construction industry for many years.

- Finance and Administration Dept

Run by a team of qualified professions comprising of Cost & Management Accountants

- Procurement

Competent personnel's in the purchase dept ensures that the best of the materials are procured in close coordination with the project's QA/QC team.

- Facilities Management

FM wing is capable of undertaking annual maintenance contract and total facility management solutions of any magnitude.



# ELECTRICAL ...



Our team of professionals and skilled technicians deliver the design, installation, testing and commissioning of Electrical installations. We undertake complete Electrical installations for high rise commercial & residential buildings, hotels, industrial complexes, warehouses, luxury villas etc.

Installation of Main / Sub-main and Final distribution panel boards, MCC, capacitor bank panels and automatic change over panel with integrated controllers to achieve any complicated logic sequences as per project requirements.

Installation of Diesel generating stations both indoor and outdoor with complete acoustic and ventilation solutions.

Earthing systems and Lightning Protection.

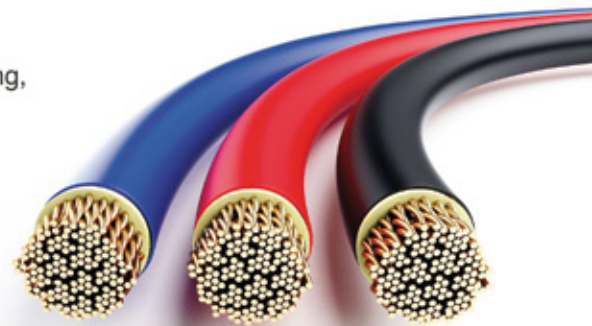
Installation of Lighting luminaries of all ranges, High bay lighting, Street Light Installations with controllers and integrated lighting control solutions.

Busrisers of all ampere ratings.

UPS Banks with battery stacks including battery monitoring system.

LV cabling, both indoor and outdoor.

Cable trays, trunking, conduit and all containment systems.





# ELV SYSTEM ...



Specialized in Low Voltage system integration offering products, systems, services and support for every ELV solutions. Our services integrate and optimize the expertise in the field of design, supply, installation, testing and commissioning and project management. To create a world of Smart Living, we are partnered with world's leading technology providers to integrate innovative and customized solution to clients.

Hotel Automation & Guest Room energy management System.

Home Automation solutions.

Dimming / Lighting controls.

Integrated building management system.

Energy management systems.

Fire detection and Alarm systems including VESDA system.

Voice evacuation and Public address systems.

Security systems including Access controls and CCTV system.

CATV / MATV / SMATV systems.

Voice/Data systems.

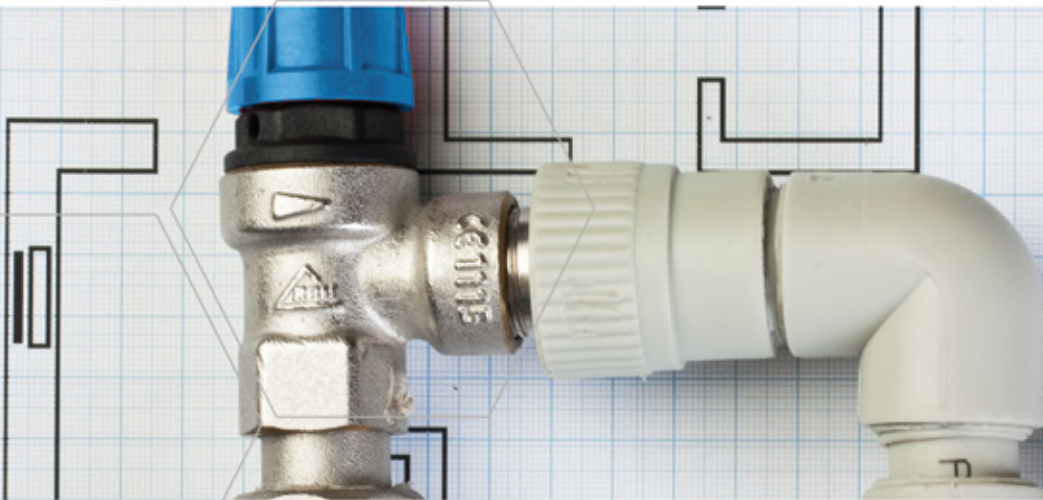
Structured cabling.

Audio/Video Intercom solutions.

Specialized systems like intruder alarm systems, Beam detection systems, Water leak detection systems, Rodent repellent systems.



# PLUMBING ...



EMAC can implement integrated plumbing and drainage networks for industrial, residential and hospitality structures. Having its own distinct identity, the plumbing division is managed by highly qualified personnel and skilled support staff and technicians.

We undertake contracts for Water supply and drainage system for high rise commercial & residential buildings, industrial complexes, warehouses, luxury villas, etc as follows:

Complete installation of Hot and cold water supply including UG and above ground water tanks, transfer pumps and Pressure vessels.

Drainage system including piping, holding tanks and Soakaway's.

Installation of bathroom sanitary fixtures.

Installation of Jacuzzi ,Sauna and Steam bath.

Sewage treatment plants.

RO Plants.

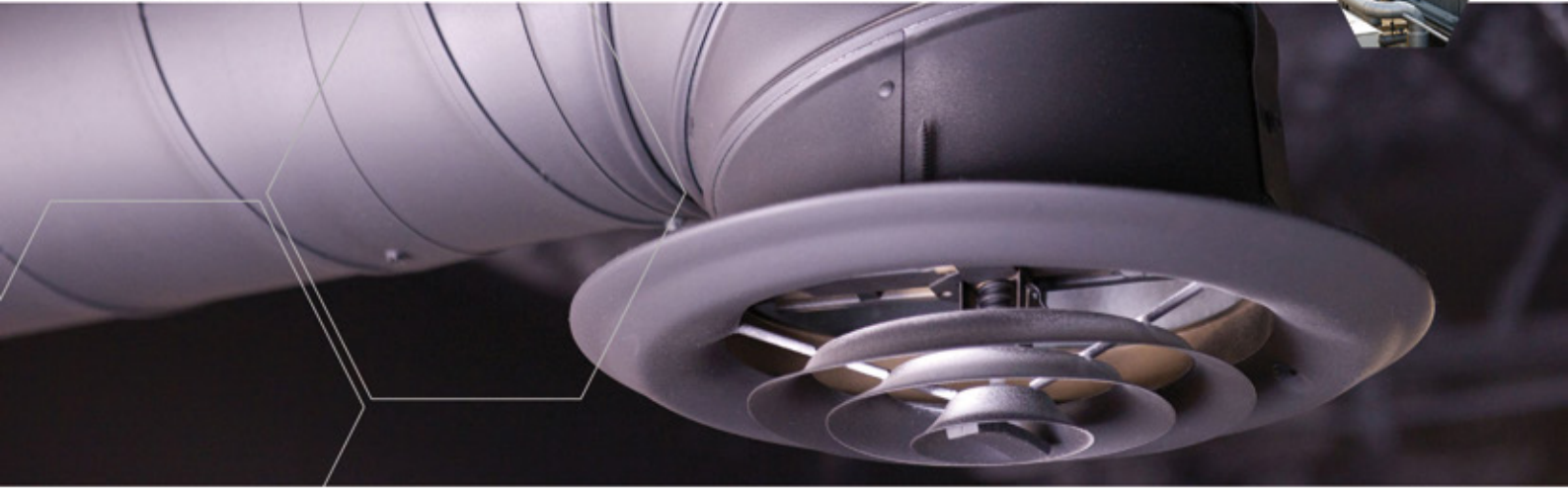
Swimming pool systems including pumps.

Irrigation systems.





# HVAC ...



We deliver exceptional solutions for all types of Heating Ventilation Air Conditioning (HVAC) systems. The HVAC division is a well established and self-sufficient engineering division that is equipped to provide all services from rendering concepts to commissioning solutions. We undertake all types of Air conditioning & Ventilation installations as follows:

Supply and installation of Air and water cooled chillers.

Chilled water system including CHW pumps, CHW piping, motorized valve packages and Airside equipments.

Installation of VRF systems.

Installation of Air handling units, fresh air handling units and heat recovery wheels.

Ducted split unit system.

Precision Air handling units for IT and telecommunication suits.

Package unit system.

Centralized and individual ventilation/exhaust air systems including smoke management systems like, smoke extract and pressurizations systems as per Civil defence requirements.

Installation of BTu meters which can be integrated with IBMS systems with standalone billing software as per local authority requirements.



# FIRE FIGHTING ...



Fire Fighting Division is well equipped to undertake projects of any magnitude from conceptual design to commissioning in the field of Fire protection systems.

We are able to offer clients with sustainable, environment-friendly technologies to protect their most valuable assets. To meet the needs of fire protection in commercial, residential buildings, factories and industrial plants, the division offers a complete range of installation of fire extinguishing systems, in complete conformity to local authority requirements and NFPA standards.

Fire Fighting installations including fire pumps & piping works.

Installation of Sprinklers, Hose reels, Breaching inlets and external fire hydrants.

Installation of centralized and stand alone extinguishers.

Installation of Inergen Suppression Systems and FM200 systems for IT/Telecommunication facilities.

Foam deluge systems solutions that protect virtually any hazard where flammable liquids are present.





# SPECIALIZED SERVICES ...



EMAC's team of professionals is highly experienced in offering high-tech, specialized services and complicated solutions for most modern facilities. We are passionate about the sustainable design philosophy and ensures that requirements are precisely met with consistent application of most modern engineering techniques.

## DATA CENTER SOLUTIONS

Offers specialized cooling and electrical solutions for most modern Data centers, IT suits and Cloud computing facilities complying to Tier-2 and Tier-3 regulations of Uptime institute, USA. As part of our professional specialty services; due to our awareness that Data Centers have become an essential requirement in today's market; We provide full solutions for Data Center preparation including UPS, fire fighting, AC control, Cold & Hot Isles, raking, raised floors, data cabling and power distribution cables. Through our technology partners and our Data Center specialist team we ensure you that we have the assets to deliver high quality Data Center Projects.

## HOSPITAL SOLUTIONS

Complete hospital installations including Nurse call systems, Medical gas system, Pneumatic tubing system, integrated Bed-head units, CSSD etc.

## LPG SYSTEMS

Installation of Central LPG Gas Systems for residential and commercial buildings including tanks, piping and leak monitoring and control systems designed strictly as per NFPA standards and Local Authority regulations.

## FUEL MANAGEMENT SYSTEMS

Offers comprehensive HSD yard solutions for DG set installations including installation of Bulk tanks, day tanks, piping works, monitoring and control systems.





## SEGMENTS ...

Since inception, our experience have culminated into a professional culture enabling us to execute projects in the major sectors of:

COMMERCIAL BUILDING

SHOPPING MALLS

RESIDENTIAL BUILDING

DATA CENTERS

HOTELS

INDUSTRIAL PROJECTS

HOSPITALS

OIL AND GAS PROJECTS









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