



Firelec
Electromechanical

Fire Fighting
Fire Alarm
Voice Evacuation
PAVA Systems
FM200 / Deluge Systems
Electrical & Power Systems
HVAC Works
Instrumentation
CCTV, IT & Networking
Access Control

APPROVED BY



COMPANY v PROFILE

FIRELEC Electromechanical is a Leading Electromechanical Contractor Headquartered in Emirate of Abu Dhabi and pre-qualified in various govt and private entities for Fire & Safety and Electromechanical works.

About Us

All the projects undertaken by FIRELEC are executed on a “task force” basis with its high quality and expert management and a work force dedicated to their work. Through its rich resources coupled with the financial strength, effective operational system, extensive experience in the field of construction and engineering as well as the high quality technical and managerial staff, FIRELEC recognizes any challenge posed by new projects regardless of the project with its commitment to competitive prices and compliance to all quality standards.

Our Divisions

Electromechanical Division

Our highly-skilled technicians and engineers undertake wide-ranging electromechanical projects throughout Abu Dhabi & Nearby Emirates, using our technical expertise and specialist resources.

- Electrical & Power Systems
- HVAC Works
- Instrumentation & Control systems
- MEP Works
- Painting
- CCTV, IT & Networking

& More...

Fire & Safety Division

We partner with renowned manufacturers and companies to deliver world-class products and services to a wide range of quality conscious industries.

- Fire Alarm Works
- Fire Fighting Works
- Emergency Exit Light Systems
- Special Systems
- Design Drawings & Approvals
- Annual Maintenance

Our Vision

To build a healthy and sustainable environment for the community through knowledge sharing, technological innovations, and green process.

Our Mission

Our Mission is to stay renowned for the quality of our products and reliability of services without compromising with 'On time completion policy' and to keep healthy and long-term relationship with our clients.

Our Operational Sectors

Oil & Gas | Petrochemical | Refinery | Power & Water | Marine & Logistics | Aviation | Building Construction | Infrastructure | Facility Management

Our Skills

Team FIRELEC Electromechanical cultivates its success with its multidisciplinary expertise in the complete process of tertiary and industrial facility design and contracting. Our team's specialized skills are manifested from design review through project management to the final delivery of turnkey projects. Most of our senior engineers and staff have acted as project managers, both in-house and for various international customers interfacing with other engineering firms and contractors.



FIRE & SAFETY DIVISION

Our core business revolves around Fire Protection Engineering and Industrial Solutions. We serve all industries through-out the region. We provide comprehensive, reliable and cost-effective solutions specifically engineered to meet our client's needs and requirements. We offer consultation, supply, installation, maintenance and support services.



Fire Alarm & Detection System

In commercial buildings fire alarms are not just necessary for the obvious practical benefits, they are also a necessity by law and in order to fulfil all your legal and contractual obligations. You must ensure you have effective, high quality fire alarm systems. Our Fire and Safety division are comprehensive providers of a host of fire safety equipment, including the supply and installation of fire alarm system

Proper detection of fire outage should be detected and alerted to the occupants at the earliest. Our Fire & Safety Division handles both Conventional and Addressable components for fast fire detection purpose all over UAE. With a wide selection of detectors, sounders, modules, alarm devices, to safeguard and alert the occupants.



Carbon Monoxide Detection

Carbon monoxide is **hazardous in confined spaces**—like basements, kitchens or garages. We supply and install Carbon Monoxide (C.M Detection systems).



Voice evacuation Systems & PAVA Systems

We supply and install voice evacuation systems, which are one of the most efficient ways to alert residents in an event of emergency.

We also undertake Public Address and Voice Alarm (PAVA) systems, which are required to provide clear concise spoken messages to safely evacuate occupants.



Fire Fighting Systems

At Firelec, we provide consultation, installation, and services to Projects and Fit-out works alike. Being one of the fire & Safety companies in Abu Dhabi, We are also registered to carry out electromechanical and Firefighting works in the construction of the buildings, industrial Plants, Infrastructure, and other related facilities.

Sprinkler System

As per ADCD & NFPA rules and regulations, Fire Sprinkler is a mandatory component of Firefighting systems., our drafting team proposes the best solution based on the initial drawing as per ADCD standards.

Fire Hose Reels

We do installation & commissioning of Fire hose reel systems, which is usually the first option of response in case of a fire outbreak. We provide customized Fire Hose Reel set along with different types of Cabinets, Nozzles, and Brackets.



Fire Pump System

As per ADCD and NFPA regulations, a fire pump is mandatory at times to maintain the water pressure. The Fire Pump Set is responsible for supplying water or other Fire Retardants from a storage tank to the Sprinkler system. Depending on the project we do the installation and commissioning for all types of Fire Pumps.

Fire Hydrants

A fire hydrant is a connection point by which firefighters can tap into a water supply. As per ADCD standards, it is necessary to have fire hydrants. We supply, Install, Test & commission both wet & dry fire hydrant with HDPE or GI piping as required by the project to attain necessary water pressure.





Central Battery System

Central Battery System provides backup power source for the Emergency and Exit Lights centrally. In other words, each Emergency and Exit Light does not need to have a battery or super capacitor of their own. Central Battery Systems are often perceived as a solution for large buildings and sites, but it may still be used in a building with no more than twenty Emergency and Exit Lights.

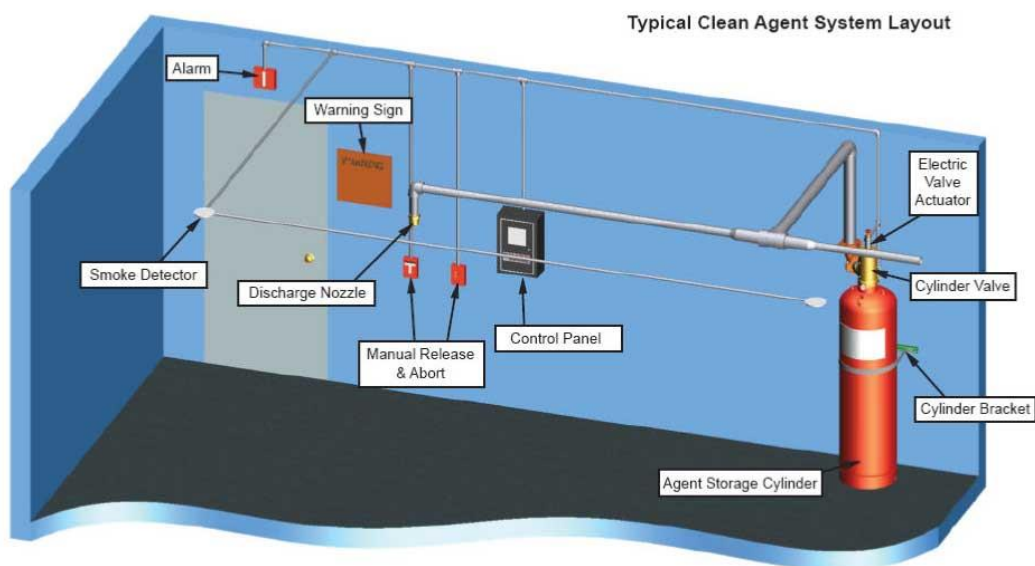
Emergency Exit Light Systems

We supply and do maintenance for all the emergency exit lighting system which are *addressable* and ensure proper functionality through simulating a power failure by disconnecting the power supply from MDB and testing the lights for proper functioning. After this test the lights are then reinstated to their normal operating condition. We also inspect all fluorescent lights for darkened signs of aging or damage and recommending for replacement where necessary. Preparing a report on lights that fail to function the discharge test.



Deluge Fire Sprinkler System

A deluge fire sprinkler system is similar to a wet pipe fire sprinkler system as it uses a combination of water & Foam, the difference being that the sprinkler heads are always open and are not activated by heat. Instead, this system is connected and activated by a fire alarm system, which the valve releases the water when activated.



FM 200 & Wet Chemical Suppression System

FM-200® is a clean, colourless, and environmentally friendly fire suppression agent that is electrically non-conductive and safe for humans. It extinguishes flames primarily through heat absorption, leaving no residue, thus minimizing downtime after a fire and making FM-200 suppression systems accepted and respected worldwide with over one hundred thousand installations in more than seventy countries.

Fire Extinguishers

We supply, install and provide maintenance for all kinds of fire extinguishers. A fire extinguisher is an active fire protection device used to extinguish or control small fires, often in emergency situations. It is not intended for use on an out-of-control fire, such as one which has reached the ceiling, endanger the user, or otherwise requires the expertise of a fire brigade.

Our Fire Extinguisher service includes

- Checking the type of fire extinguisher for particular hazards.
- Adjustment of height and bracket.
- Checking pressure and refill.
- Proper distribution of extinguishers.
- Safety seals and tamper indicators in place.
- Ensure that extinguisher is properly identified and is unobstructed.



ANNUAL MAINTENANCE

Having a fire and safety system is mandatory. But if proper maintenance is not carried out, these can have immense effect in case of fire outage. In Abu Dhabi, in order to attain fitness certificate that is necessary for the renewal of license, the office/building should have a maintenance contract from any of the ADCD Approved contractors in Abu Dhabi.

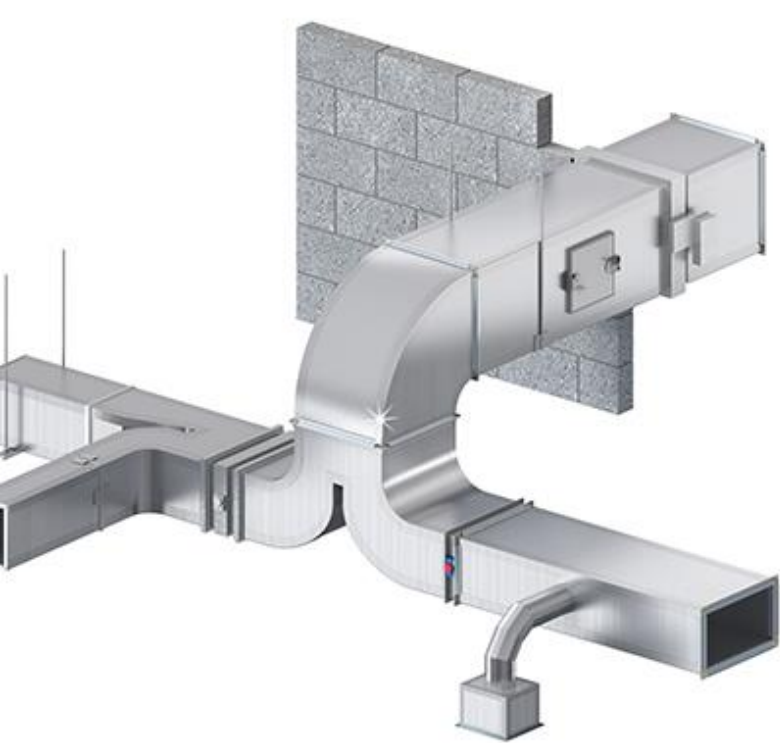
We provide

- Full diagnostic reports of fire-alarm and firefighting systems
- Provide Annual maintenance contract
- Propose if up-gradation of the system is necessary as per ADCD standards and approvals
- Provide Maintenance for any shops inside malls, commercial buildings, and parks.



The image features a dark blue background with a complex, glowing network of white and light blue lines that resemble a circuit board or a lightning storm. Two wooden logs are positioned diagonally, one in the top-left and one in the bottom-right, with bright, glowing points of light at their ends, suggesting electrical sparks or energy being transferred. The text 'ELECTROMECHANICAL DIVISION' is centered in a bold, white, sans-serif font.

ELECTROMECHANICAL DIVISION



Mechanical (HVAC & Plumbing)

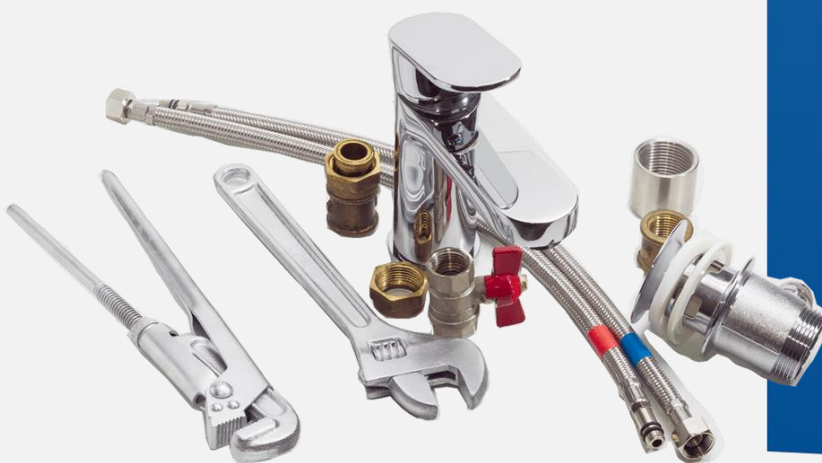
FIRELEC offers a complete range of Mechanical services include Design, Build, Installation & Maintenance for Commercial, Industrial & Residential Projects and they are as follows.

HVAC WORKS

- Heating, Ventilation & Air Conditioning (HVAC) System
- All type of Air Conditioning System (Centralized, Wall-Mounted, Split System, CC, Ducted)
- Chilled water system, chiller plants, cooling towers, FAU, AHU, FCU
- Installation of Exhaust fans
- GI and PI Ducting
- Fresh Air Handling Units
- Kitchen Ventilation
- Car park ventilation
- Inspection, Surveys & Reports of Existing Installations

PLUMBING

- Sanitary and drainage systems
- Water distribution
- Water treatment
- Variable and fixed speed pumping systems
- Solar Heaters
- Kitchen and laundry plumbing
- Irrigation systems and controls
- Sand traps and grease traps
- Flange Management
- Pipeline Rehabilitation, Mechanical Strengthening
- Heat Exchanger Cleaning, Maintenance & Retubing
- Tank Cleaning & HydroJetting



Electrical & Power System

FIRELEC offers a complete range of Electrical and Power System services include Design, Build, Installation & Maintenance for Commercial, Industrial & Residential Projects and they are as follows.



- Cable works (LV/MV/HV) & cable management
- Power installations
- Lighting systems
- Earthing works
- Lightning protection
- LV & MV Switchgear, MCC, Capacitors & relay panels
- Bus duct
- Generators and Automatic change over panel
- Solar Panels
- Cable trunking and conduit systems
- Exterior/Interior lighting luminaires (Residential/Commercial/Industrial)
- Transformers
- Power generators
- Power distribution and transmission
- Explosion proof Electrical panel and junction boxes,
- Explosion proof Electrical equipment's and products
- Testing & measuring instruments.



Instrumentation & Control Systems

We Provide Instrumentation & Control Contracting services to industries such as Oil & Gas, Petrochemical, Power & Energy, Water and Waste Water, Infrastructure, Refinery, Fertilizer, Chemical, Cement LNG and steel.

Our Line of Services and Expertise on Instrumentation & Control Systems are as follows:

- DCS & PLC system
- ESD Systems
- Fire & Gas Systems
- PLC/RTU Systems
- SCADA/HMI Systems
- Field Instruments & Drives
- Transmitters, switches & gauges for temperature, pressure, flow, and level application,
- Control valves, On/Off valves, Breather valves, Safety valves
- Testing, calibration, and loop checking of pressure, temperature, flow, and level Instruments.
- Commissioning assistance of Control systems such as PLC, SCADA, and DCS.
- Control Systems: Engineering, supply, install & commission.

Civil Contracting

FIRELEC offers a complete range of Civil Contracting services for Commercial, Industrial & Residential Projects and they are as follows.

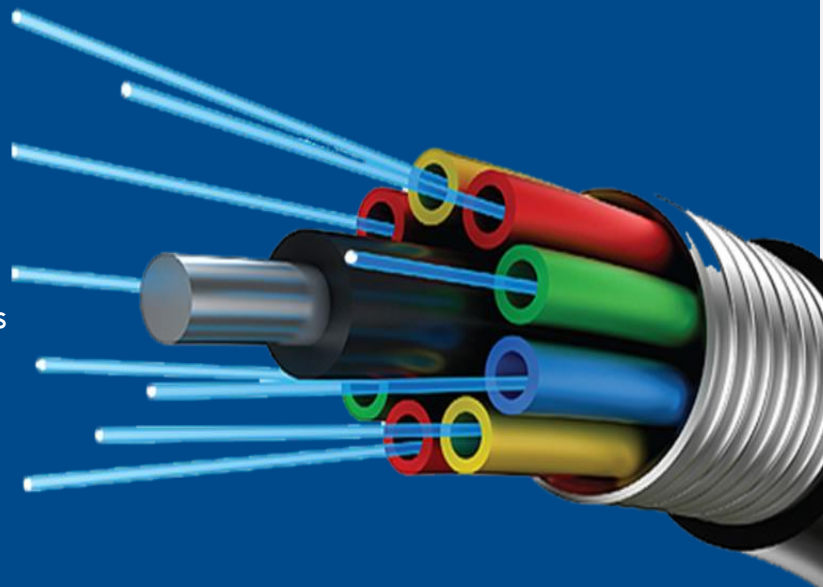
- Refractory
- Fireproofing
- Thermal Insulation
- Cryogenic
- Sand Blasting & Painting
- Corrosion Protection
- Scaffolding
- Excavation
- Backfill
- Earthworks
- Fencing & Landscaping



Telecommunication & Low Current

FIRELEC Provides wide range of Telecommunication and Low Current services to different types of industries such as Oil & Gas, Petrochemical, Power & Energy, Water and Waste Water, Infrastructure, Refinery, Fertilizer, Chemical, Cement LNG and steel. Our line of services and expertise on Telecommunication & Lo Current systems are as follows:

- Fiber Optic Backbone Installation
- Structured Cabling Network
- CCTV/SMATV Systems
- Telemetry & PA/GA Systems
- Industrial Telephone/Data Network
- Network Switches & Associated Devices
- Access Control
- Lighting Control System
- Video & Audio Intercom System



Material Supply:

FIRELEC has an exclusive sourcing department for Industrial Supplies (Mechanical and Electrical), Piping & Fittings, Building Material & Equipment's, Chemicals & Electro-Mechanical Equipment, Power Tools, Information Technology etc. in Emirate and has now entered a diverse array of activities in addition to the conventional import-export trade. Quality products at competitive prices, backed up by exceptional after sales and customer service team.



Technical Manpower Outsourcing

Our resource pool has technical experts and technicians from all across the globe specialized in the above industry sectors, available to work on contract basis for both short a s well as long term projects indeed largely reducing the hassle of hiring and training technical manpower and also saving recruitment cost.

- Engineers (Electrical / Instrumentation & Control / Mechanical / Civil)
- CADD Designers
- Supervisors (Electrical / Instrumentation & Control / Mechanical / Civil)
- Technicians (Electrical / Instrumentation & Control / Mechanical / Civil)
- Safety / Quality Officer
- Permit Authorized Officer/Engineer
- Skilled / Un Skilled Worker



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