

## FIRE ALARM & DETECTION SYSTEM

A properly designed, installed, operated, and maintained fire alarm system can reduce the losses associated with an unwanted fire in any building. These losses include property and, more importantly, human life. The primary motivation for fire alarm system requirements in building and fire codes is to provide early notification to building occupants so they can exit the building, and notify the fire service so it can respond to the fire.

- Addressable Fire Alarm & Detection System
- Conventional Fire Alarm & Detection System
- Fire Aspiration System



## FIRE PROTECTION SYSTEM

Fire protection systems are effective, easy to use, and safe for people, key assets, facilities and the environment. Whether your needs are industrial, commercial or special hazard applications, we've got you covered Extensive Engineering & Service provide full Fire Protection System such as

- Fire Hydrant/Standpipe System
- Automatic Fire Sprinkler System
- Fire Suppression System
- Fire Extinguishing System
- Passive Fire Protection System



## FIRE RATED DOOR

A Fire Door is a door with a fire-resistance rating (sometimes referred to as a fire protection rating for closures) used as part of a passive fire protection system to reduce the spread of fire and smoke between separate compartments of a structure and to enable safe egress from a building or structure or ship. We provide complete fire separation specially UL Listed fire door solutions with the best service.

- Single Leaf Fire Rated Door
- Double Leaf Fire rated Door
- Fire Door Accessories

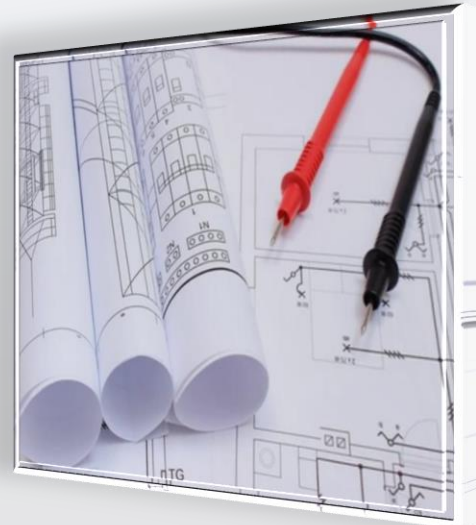


## ELECTRICAL DESIGN & CONSULTANCY

**MIES** has a dedicated team of engineers to ensure high-quality and flawless design and drawing. We are determined to provide the best quality electrical design and drawing service in Bangladesh. Our qualified Engineers make sure customer satisfaction without compromising the engineering standards and perimeters such as BNBC, NFPA, NETA, NEC, BS and RSC, ELEVATE and DIFE Guideline.

### We Design & Draw:

- Single Line Diagram ( SLD)
- Electrical Layout Diagram ( ELD)
- Machine Layout Diagram
- Wiring Layout Diagram
- Lightning Protection System (LPS )
- Earthing or Grounding System Design



## ELECTRICAL TEST & MAINTENANCE

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### We're Providing the following Services:

- Thermographic Scan
- Earth Resistance Test
- Cable Insulation Resistance Test
- Transformer Oil Dielectric Breakdown Voltage Test
- Electrical Load Management Program
- Maintenance of Lightning Protection System
- Maintenance of Solar System
- Maintenance of Electrical System
- Maintenance of Fire Detection & Protection System
- Annual Maintenance Contract (AMC)



## CONVENTIONAL LIGHTNING PROTECTION SYSTEM (LPS)

A Lightning Protection System (LPS) helps for preventing property damage from the consequences of a lightning strike. It helps to provide a way for controlling and preventing damages by providing a safe resistance path for the discharge of lightning energy.

We are providing complete lightning protection solution including consultancy, product supply and installation service complies with NFPA 780, BNBC 2006, IEC, NEC, IEEE & MORE. We are proud to announce that, we are one of the best Lightning Protection System (LPS) provider in Bangladesh. We specialize in design, supply, installation, testing commissioning of Lightning Protection Systems with best solutions and comparative cost effective.

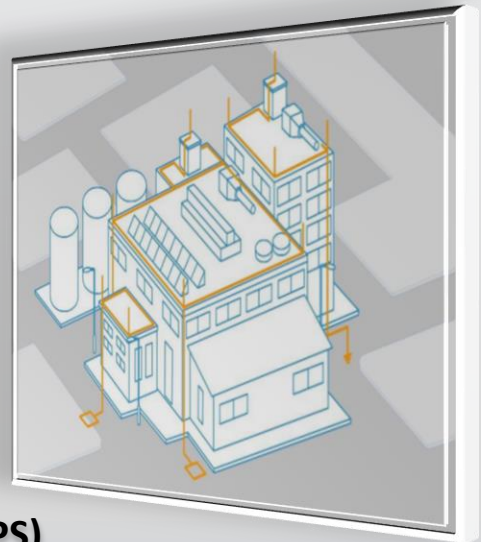
### Conventional LPS Materials:

Stranded, Solid & Strip Copper Class I & Class II  
Stranded, Solid & Strip Aluminum Class I & Class II



## SERVICE & BENIFITS

- Professional and Reliable Service
- Following NFPA 780 and BNBC Standards
- Meet RSC, Elevate, DIFE, ISU & Buyers Requirements
- Mesh relative to the Level of Protection
- Site Survey & Risk Assessment
- Planning & Design Drawing
- Estimation & BOQ Prepare
- Quality full Materials Supply & Installation
- Testing Commissioning
- Project Handover
- Completion Certificate



## ESE/DIGITAL LIGHTNING PROTECTION SYSTEM (LPS)

We offer Early Streamer Emission (ESE/Digital) Lightning Protection System (LPS) Solution with a professional, expertise with cost effective product and service in the area of Industrial, Commercial and Residential. Protect your valuable equipment of the house or commercial building with Earth and Lightning protection products available at **Mueen International Engineering Solutions**.

### Products:

- AIR TERMINAL-IONIFLASH MACH® NG-15 to 60 (Radius of Protection: 79m to 107m on 5 Meter Height)
- COUNTER: IONICOUNT® (Counting: Until 999 999)
- FLASH REPORT [Connectivity: Bluetooth® (Counting: Up to 100 impacts)]

**Certifications:** Certification of UL, BV, CPRI, CE, GERA, Qualifodre, Ampere, ISO 9001:2001 and Carbon Footprint

## ESE/DIGITAL LIGHTNING PROTECTION SYSTEM (LPS)

### SERVICE & BENIFITS

- Professional and Reliable Service
- Competitive Price
- High Protection Radios (79m to 107m)
- Protection area of opened areas
- Protection of the nearby buildings
- Easy and quick installation process
- Country of Origin: France
- Warranty & Durability: 10 years & 35 years
- Lightning Strike: 100kA (Tested by Gerac Lab)/214kA
- Higher Efficiency demonstrated 60 $\mu$ s (NFC 17-102/2011 C)
- Resistance to Corrosion: AISI / Solid 316L Stainless Steel
- Lowest carbon footprint 33kg eq. CO<sub>2</sub> / unit
- Rain Conditions Insulating Test: > 97%
- Resistance to Corrosion: AISI / Solid 316L Stainless Steel
- Reliable & autonomous device in extreme climatic condition
- Controlled radiation with the number of down-conductors and earthing value
- Standards: NFC 17102/2011 C, IEC 60060-1, EN 50164-1, UNE 21186



## Mueen International Engineering Solutions

*beyond limitation with superior service*

House: 15, Road: 02, Block: B, Section: 06, Mirpur, Dhaka-1216

E-mail: [mueen.intl@gmail.com](mailto:mueen.intl@gmail.com)

Cell & WhatsApp: +8801711293105, +8801303411848.