



[www.extensive.com.bd](http://www.extensive.com.bd)



## ABOUT US:

Extensive Engineering & Service” starts its journey from 2015 in the even potential technical sector with the motto’ to cater the fast growing demand of the RMG Sector of Bangladesh for worker Safety and to satisfy its clients by prompt service. From the very beginning we are dedicated to consultancy according to Alliance & Accord. The company and it’s every member strives to uphold these principles. At present “Extensive Engineering & Service” is one of the leading Engineering firm specialized in Fire Safety, Electrical Safety ,Environmental Safety and Lightning Safety .The company already reached a valuable position in the RMG sector.

As a qualified Firm, we are the one, to do the Electrical Fire, and Lightning Safety consultancy and renovation for those factories, which are Under **ALLIANCE , NIRAPON, ACCORD, RSC, DIFE, ELEVATE, ILO** for Bangladesh Worker Safety.

## COMPANY INFORMATION

- Year of Establishment: 2015
- Company Name: Extensive Engineering & Service
- Address: 613/A, 6th Floor, East Kaziapara, Mirpur, Dhaka-1216.
- Type : Engineering & Service Base Firm
- Staff Strength: 50 Persons including Engineer, Project Managers,, Supervisors, Technicians, Sales, Finance Div. and others.
- Enlistment: Department of Inspection for Factories and Establishments (DIFE)
- Certification: International Organization for Standardization (ISO)
- License: Bangladesh Electrical License Board (ABC)
- Email : [info@extensive.com.bd](mailto:info@extensive.com.bd) ; Website: [www.extensive.com.bd](http://www.extensive.com.bd)

### ➤ **Concern Company: Intertest Limited.**

Inspection and Testing Solution –Bangladesh

Contact: [info@interest.com.bd](mailto:info@interest.com.bd) ; [www.interest.com.bd](http://www.interest.com.bd)

## MISSION VISSION & VALUE

● ***We act with Integrity in all of our interactions never compromising our business ethics. This is the cornerstone of who we are as a company, and is essential to our future success.***

● ***Extensive Engineering & Service (EES) is committed to its mission and vision. Within a short span of time it has proved its ability to sustain in the market and has achieved vertical growth. It is committed to maintain so by satisfying the clients by enhancing it's efficiency.***

● ***The company has clear values, Which:  
Safety – we care about people  
Reliability – we have integrity  
Responsiveness –we listen to what you say***

## FOLLOWIG GUIDELINE & STANDARD



**ALLIANCE**  
FOR BANGLADESH WORKER SAFETY

**ACCORD**  
on Fire and Building Safety in Bangladesh

**Nirapon**  
নিরাপত্তা SAFETY FOR ALL

**RSC** RMG SUSTAINABILITY COUNCIL

**ELEVATE**

**ILO** International Labour Organization



DEPARTMENT OF  
INSPECTION FOR FACTORIES &  
ESTABLISHMENTS (DIFE)



FIRE SERVICE & CIVIL  
DEFENCE-BANGLADESH



NATIONAL TRIPARTITE PLAN OF  
ACTION ON FIRE SAFETY AND  
STRUCTURAL INTEGRITY (NTPA)



**BNBC**  
Bangladesh National Building Code



**NATIONAL FIRE PROTECTION  
ASSOCIATION**  
The authority on Fire, Electrical and Building Safety



INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION



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## Our History & Achievements

**2015**

Company Started their journey with consultancy and drawing design as per Alliance & ACCORD Standard.



**2016**

Started Electrical Safety, Fire Safety & Lightning Protection System (LPS)



**2018**

Enlisted of Department of Inspection for Factories and Establishments (DIFE)



**2019**

Certified of International Organization for Standardization (ISO)



**2019**

ABC License from Bangladesh Electricity Licensing Board



**2021**

Enlisted of Bangladesh Fire Service Civil Defense (BFSCD)



**2021**

Authorization of ESE LPS (France Paratonnres)



## EXTENSIVE EXPERTISE:

- CONSULTANCY
- FIRE ALARM & DETECTION SYSTEM
- FIRE PROTECTION SYSTEM
- FIRE RATED DOOR
- FIRE SATETY PLAN
- LIGHTNING PROTECTION SYSTEM
- ELECTRICAL DRAWING DESIGN
- ELECTRICAL TEST & ASSESSMENT
- ENVIRONMENTAL TEST & ASSESSMENT
- PAVA SYSTEM
- SECURITY & AUTOMATION

## REPRESENTATING BRANDS



## 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 to 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



**BRISTOL**



**NAFFCO**  
PASSION TO PROTECT



**TÜRBOSAN**



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## FIRE RATED DOOR

**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're providing complete fire separation specially UL Listed fire door solution with the best service.

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



**ASICO** Door

**BRISTOL**



**NAFFCO**  
PASSION TO PROTECT



## FIRE SAFETY PLAN

Fire Safety Planning prevents the occurrence of fire by the control of fire hazards in the building, ensures operation of fire protection systems by establishing maintenance procedures, and provides a systematic method of safe and orderly evacuation of the building in the event of fire.

Arrangement of Fire Safety Inspection and Survey & Approval by the Fire Service & Civil Defence Department. Details of Building Evaluation for Safety Plan, including checking of Design & Drawing for Fire Detection & Fire Protection System and rectification of BOQ submitted by

- Fire Safety Assessment Report/ Book.
- Preparation of Fire Safety Plan (Integrated Drawing) and Obtaining Approval from the respective authority.
- Service Area: Industrial , Commercial, Residential



# 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 (LPS) with best solutions and comparative cost effective.

## Conventional LPS Materials:

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

Stranded, Solid & Strip Aluminium 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
- Qualityful Materials Supply & Installation
  - Testing Commissioning
  - Project Handover
  - Completion Certificate



# ESE/DIGITAL LIGHTNING PROTECTION SYSTEM (LPS)

We offer Smart (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 **Extensive Engineering & Service.**

## 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)
- I FLASH REPORT [Connectivity: Bluetooth® (Counting: Up to 100 impacts)]

## Certifications:

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



## 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 60μs (NFC 17-102/2011 C)
  - Resistance to Corrosion: AISI / Solid 316L Stainless Steel
    - Lowest carbon footprint 33kg eq. CO2 / 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

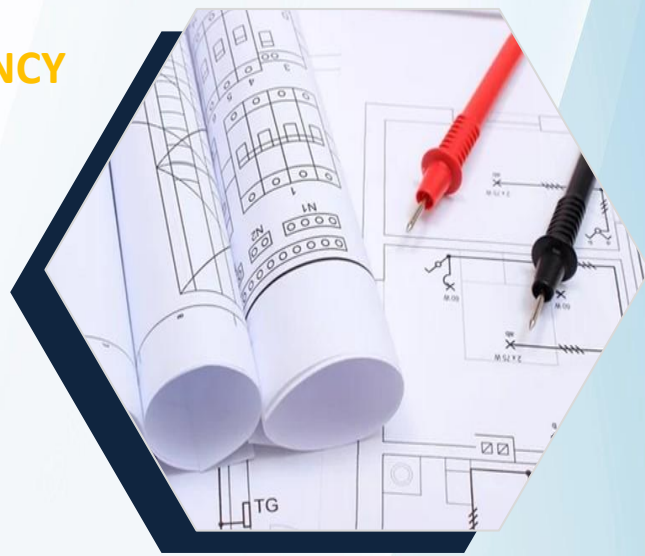


## ELECTRICAL DESIGN & CONSULTANCY

Extensive has a dedicated team of engineers to ensure high quality and flawless design and drawing. We determine to provide 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, 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



## INSPECTION & ASSESSMENT

Inspection & Assessment is a vital part of a successful safety management system is establishing processes for identifying safety and health hazards before they cause accidents. The main purpose is to prevent incidents, including injuries and illnesses, by evaluating risks within the workplace and assessing the effectiveness of existing control measures.

Extensive Engineering & Service provide you the following Assessment by maintaining the BNBC, NFPA, NETA, NEC, BS and RSC, ELEVATE, DIFE Guideline.

- Assessment for DIFE Clearance Certificate
  - Electrical Safety Assessment
  - Fire Safety Assessment
  - Energy Assessment
- Environmental Impact Assessment(EIA)
  - Environmental Management Plan



## ELECTRICAL TEST & MAINTENANCE

Extensive has a dedicated team of Engineers to ensure high quality and flawless Test. We determine to provide best quality electrical test, 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 etc.

### 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)



## ENVIRONMENTAL TEST

Extensive Engineering & Service enrich much Environmental Test Equipment's to provide a level of service that will exceed the expectations of our clients, maintain the highest level of quality and allow our employees the opportunity to grow and prosper.

### We're Providing the following Services:

- Light/Lux/Lumen level Test
- Noise Level Test
- Temperature & Humidity Test
- Air Quality Test
- Stack Air Emission Assessment
- Air Flow Test
- Ozone Depleting Substances (ODS) Leak Test
- Green House Gas (GHG) Emission Inventory

## PAVA SYSTEM

**PAVA Systems** are installed within buildings where there is a need to provide clear concise spoken messages either for general day to day messages or in the event of an emergency to safely evacuate occupants. In an emergency situation such as a fire, it is essential that people are evacuated safely and in the shortest possible time.

We take pride in a job well done and maintain the highest of standards at all times, from the design stage through the install and maintenance of your system.

### We're Providing:

- Amplifier Series (Mixer & Booster Amplifiers)
- Ceiling Speaker Series
- Wall mounted Speaker Series
- Horn Speaker Series
- Microphone Series
- EVAC Series (Digital & Analog)
- Talk Back System



## SECURITY & AUTOMATION

Security automation is the automation of security tasks, including both administrative duties and incident detection and response. Security automation provides numerous benefits to the organization by enabling security teams to scale to handle growing workloads

### We're Providing:

- Surveillance System
- Emergency Lighting Signage
- Building Management System
- Heating, Ventilation, and Air Conditioning (HVAC)
- Solar System



Results  
**CLIENTS**  
Who makes us proud

Supporting  
Satisfied





# interest<sup>Ltd.</sup>

A Concern of Extensive Engineering & Service  
**Interest Limited.** (Inspection and Testing Solution-Bangladesh)  
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