

Z Engineering & Construction Company



**ADVANCE
SAFETY
SOLUTION
FOR
BETTER
LIFE**

**Corporate Office : House 1117 (1st Floor) , Road 9
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Lt Col S M Zulfiker Rahman (Retd)
Civil Engineer (BUET)
Ex-Director, Bangladesh Fire Service & Civil Defence
CEO, Z Engineering & Construction Company

CEO Message

Z Engineering & Construction Company (ZECC) is a professional engineering firm that specializes in global fire & building safety industry. The core activities are design, supply and installation of fire & building safety system. It runs with a team of experienced and professional engineers & staffs. We are committed to leveraging our engineering expertise to contribute to our national safety and economy.

Integrity: We adhere to the highest ethical standards and believe that our long-term success is dependent on nurturing strong relationships with our clients. We value open and honest communication as essential for the sustained success of our engineering firm.

Efficiency: We are accountable to our clients for the efficient execution of every project. We continually strive to identify and implement cost-saving measures.

Teamwork: We foster an open culture characterized by mutual respect, idea-sharing, and a share commitment to our goals. We believe that each team member plays a vital role in our company by bringing their expertise and unique perspectives to every project they are involved in.

Professionalism: We are dedicated to providing professional services with a focus on competence, dependability, and excellence. We view our projects as a reflection of our company's values.

Customers Services: We are committed to not only meeting but exceeding clients expectations. Through a strong commitment to these core values, we aim to distinguish ourselves from others in the industry. We pay close attention to the needs of our customers and tailor our projects accordingly.

CORPORATE MISSION
PROVIDING SERVICE
TO MAKE YOU SAFE

Our Vision

To deliver national and international recognized engineering fire safety in terms of detection & protection system in various sectors.

Our Values

- Conduct business with integrity and fairness.
- Place emphasis on the needs of our customers.
- Consistently train our employees and enhance our processes.
- Deliver high-quality products and services.
- Recognize employees based on merit and foster teamwork.
- Ensure a safe and healthy working environment.



Fire Safety Plan is Necessary for Proposed and Existing Establishment



Fire Safety Plan

- Multi-Storied Residential Buildings.
- Commercial Buildings/ Large Office Buildings.
- Restaurants and Hotels.
- Shopping Malls.
- Hospitals/ Clinics / Health Centers.
- Educational Institute.
- Industrial Buildings.
- Public/Private Power Plants.
- Production Centers.
- Cold Stores and Pack Houses.
- CNG, LPG & LNG Suppliers Station.
- Sub-Station

The importance of a Fire Safety Plan must be emphasized enough. Presently Rajuk, City/Municipal Corporation follow not to approve the above mentioned establishment without Fire Safety Plan. Accordingly BPDB, ELB do not allow the connection to the substation without approved Fire Safety Plan.



Fire Safety Audit

- Fire Hazard Identification.
- Fire Alarm & Detection System.
- Fire Hydrant & Stand Pipe System.
- Fire Suppression System.
- Passive Fire Protection System.



Uncontrolled fire is always devastating and it is essential to have a fire safety plan for any place. A comprehensive plan not only provides information regarding the procedure to follow in case of an emergency, but also reflects the whole system of fire safety solutions including detection, protection and egress. None to learn safety procedure while emergency.



Scope of Fire Safety Audit Methodology

- A Walkthrough the concerned premises.
- Review the fire safety layout and drawings.
- Review the training and awareness system.
- Operation procedure of the fire fighting systems.
- Recommendations for corrective and preventive actions.

Fire Alarm System



The image displays a variety of fire alarm system components. On the left is a large red control panel with a keypad and a small screen. Next to it is a red pull station with a 'PULL DOWN' button. Above the pull station is a red fire alarm bell. To the right is another large red control panel with a digital display and several buttons. Below these are three small electronic modules, a speaker, a microphone, and several types of smoke detectors (point, spot, and ceiling-mounted).

LIFECO **LICHFIELD FIRE & SAFETY EQUIPMENT CO. LTD.** **Simplex** **BOSCH** **HOCHIKI**
Invented for life

Fire Hydrant System

The image displays various fire hydrant system components. On the left is a large red fire pump with a motor. Below it is a smaller red fire pump with a diesel engine. In the center are two vertical red fire pumps. On the right is a large red fire pump control cabinet. At the bottom are several red fire hydrant valves and two types of fire sprinklers.



Fire Door



Available: British Standard (BS) / Certified by Intertek / UL Listed.



Extinguisher



ABCE Dry Power

- Max Working Pressure: 14 bar
- Testing pressure: 25 bar
- Temperature Range: -30~+60degree
- Material Grade 50% DCP
- Material: Mono Ammonium Phosphate
- Available: 2Kg, 3Kg, 5Kg, 25Kg, 50Kg



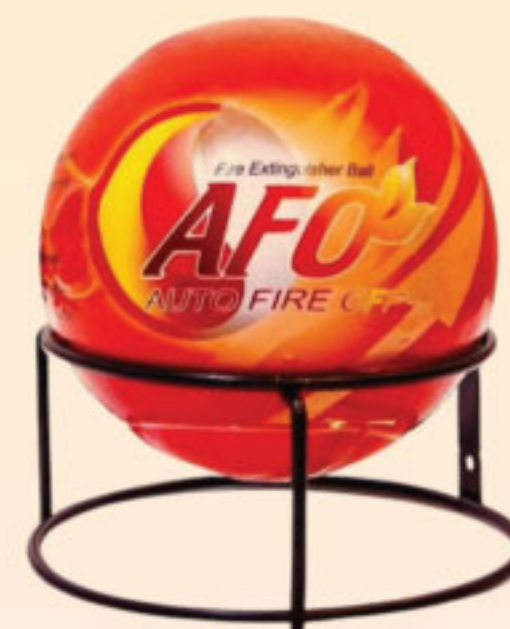
Carbon di-oxide (CO2)

- Temperature Range: -30~+60degree
- Material Grade 50% DCP
- Test Pressure: 250bar
- Available: 2Kg, 3Kg, 5Kg, 25Kg, 50Kg



Liquid Foam

- Max Working Pressure: 14 bar
- Testing pressure: 40 bar
- Temperature Range: -30~+60degree
- Materials Grade: AFF 3%
- Materials: St12
- Available: 9L, 25L, 50L



AFO Fire Ball

- Dimension : Sphere, Diameter 15cm
- Gross Weight : 1.30 Kg Approx
- Chemical Weight : 1.25 Kg
- Agent : Non-Toxic Mono Ammonium Phosphate

We Served

RMG Sector

1 RK Group of Industries

2 Bengal Indigo Ltd

3 Hera Sweater Ltd

4 BLJ Apparels Ltd

5 Padma Converter Ltd

6 And Others

Commercial Sector

1 Nitol Niloy Center

2 Malabar Gold & Diamond

3 Karnaphuli Fertilizer Company Limited

4 THT- Space Electrical Company Limited

5 IsDB Bhaban

6 Bangladesh Machine Tools Factory -2

7 CCULB Resort

8 Meen Tex Spinning Mills Ltd.

9 National Heart Foundation

10 Hotel Radisson Blu Chattogram Bay/Seapearl

11 Cox- Bazar Rail Station

12 Bangladesh Marine Academy

13 Olympus Hospital

14 Shena Kallyan Sk city

15 The Merchants Limited

16 And Others

Residential Sector

1 Suvastu Properties Ltd.

2 Police Station

3 B. Rail Staff Quarter

4 Rangs Properties Ltd.

5 Ejab Developer

6 And Others

Power Sector

1 BUET Powerplant

2 Sirajgonj Powerplant



Our Main Service

- Fire Safety Plan
- Fire Standpipe & Hose System
- Fire Hydrant System
- Fire Sprinkler System
- Fire Detection & Alarm System
- Automatic Fire Gas Suppression System
- Automatic Fire Foam Suppression System
- Passive Fire Protection
- Fire Extinguisher
- PA System
- Lighting Protection System (LPS)
- Mechanical & Plumbing System
- Civil Construction (RCC & Steel Both)
- Retrofitting Construction & Supervision
- Electrical System
- Architectural Design

01 Residential Building

02 Commercial Building

03 Industrial Building

04 Sub Station

05 Factory

06 Warehouse

07 Power Sector

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