



BENGAL INTERNATIONAL AGENCIES

(Safety, Security & Fire Fighting Consultant & Service Provider)

www.bengalfirebd.com



FIRE DESTROY ALL
WE DESTROY
FIRE

Since 1974

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Distributor:



Product Certified by:



CONTENT



About Bengal International Agencies	03
Engineering of Bengal International Agencies	04
Fire Extinguishers	06
Passive Fire Protection	07
Fire Hoses, Nozzles & Valves	08
Fire Hydrants & Sprinklers	10
Gas Suppression System	11
Fire Detection System	12
Fire Pumps & Controllers	14
Fire Trucks & Vehicles	16
Security Surveillance System	18
Access Control System	19
Public Address & Sound System	20
Safety Equipments	22





About Bengal International Agencies

Bengal International Agencies (BIA) is recognized as a leading company for consultancy, design, installation & service system, Bengal brings a singular dedication to the full spectrum of industrial, commercial and residential security needs, this dedication is through the leadership, quality, price and service. Customer satisfaction is our unique vision.

Our service and activities :

- Fire Extinguishers with different types, sizes and extinguishing agents.
- Automatic sprinklers system with fire pump.
- Automatic fire hydrant system with fire pump.
- Automatic Foam Extinguishing system
- Automatic CO2 Extinguishing system.
- Automatic FM200 Extinguishing system.
- Clean agent gas Extinguishing system.
- Automatic fire alarm detection system.
- Sound, PA and Burglar Alarm system.
- Access control & Time attendance management system.
- CCTV based security surveillance system.
- Fire resistant doors.
- Fire man equipment's such as fire proof dress, gas mask, birthing apparatus, safety boot, safety helmet, hand gloves, life line, smoke light, etc.
- We can help you about Fire service and civil defence & insurance license.

*Our all systems & equipment are certified by as per NFPA, UL, Global Mark, FM, Bangladesh fire service and civil defense and BSTI.

*BIA Member of Dhaka & Chittagong Chamber of Commerce and industries.

Quality :

- We provide guarantee to all our products that comply with the best international standards such as NFPA, UL, BS, EN, FM, BSI etc.
- Committed to provide spare parts for our products for 5 years at least.
- Bengal International Agencies to under processing Certification of NFPA Membership.

We are agent and distributor of :

- | | | |
|---------------------|------------------|---|
| - SRI, Malaysia | - Patterson, USA | - Proline, UK |
| - Naffco, UAE | - Amstrong, UK | - Jindong Fire Fighting Equipments, China |
| - Mobiak, Greec | - Apollo, UK | - ITC China |
| - Idrofoglia, Italy | - Advance, UK | - BXB, Taiwan |
| - Caprari, Italy | - TOA, Japan | - Acumen, Taiwan |
| - Ampco, USA | - Samsung, Korea | - Geovision, Taiwan |

Experience :

We have over 20 years experience in this line for designed, installed, operated fire alarm, fire hydrant and fire extinguishing system in addition to safety and security equipments to many government, Semi-government, private sectors in Bangladesh.



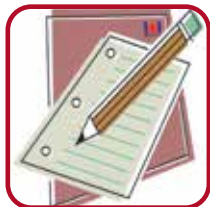
Installation :

We have proven track record of execution of all types of industrial, commercial and specialized projects completing over 130 projects small and big which valued over 15 cores. We can under take all project installation to the satisfaction of our clients and meet all current legislative requirement.



Supply :

We are able to supply full range of fire fighting equipment at the most competitive prices. All products supplied by us comply fully to SI RIM and all relevant authorities' requirement.



Service :

Currently we are maintaining more than 300 major buildings backed by a team of dedicated and well trained technical personnel. We believe that with total commitment to providing the best services to meet all our clients' requirement through a close and excellent working relationship with our clients, we can earn our reputation as the trusted name in fire fighting industry.



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Engineering
of
Bengal
International
Agencies



FIRE FIGHTING



Fire Fighting Equipments

Fire Extinguishers

A fire extinguisher, or 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, endangers the user (i.e., no escape route, smoke, explosion hazard, etc.), or otherwise requires the expertise of a fire department.



Dry Powder Fire Extinguishers:








- Portable Dry Powder Fire Extinguishers
- Mobile Dry Powder Fire Extinguishers



CO2 Fire Extinguishers :

- Portable CO2 Fire Extinguishers
- Mobile CO2 Fire Extinguishers

KNOW YOUR FIRE EXTINGUISHER COLOUR CODE

Classification of Fire Risk	 WATER Unsafe all voltage Wood, Paper Textiles etc.	 FOAM Unsafe all voltage Flammable liquids	 CO₂ (CARBON DIOXIDE) Safe all voltage Flammable liquids	 DRY POWDER Safe all voltage Flammable liquids	 VAPORISING LIQUIDS Safe all voltage Flammable liquids
A Paper, Wood Textile & Fabric	✓	✓		✓	✓
B Flammable Liquids		✓	✓	✓	✓
C Flammable Gases			✓	✓	✓
 Electrical Hazards			✓	✓	✓
 Vehicle Protection		✓		✓	✓

COLOUR CODING IN ACCORDANCE WITH BS 5443: 1996- PORTABLE EXTINGUISHERS
FLAMMABLE GAS FIRES MUST BE EXTINGUISHED BY THE EMERGENCY SERVICES ONLY



Fire Fighting Equipments



Foam Fire Extinguishers :

- Portable Foam Fire Extinguishers - Mobile Foam Fire Extinguishers



Clean Agent Fire Extinguishers :

- Portable Clean Agent Fire Extinguishers



Water Fire Extinguishers :

- Portable Water Fire Extinguishers



Foam Extinguishers on Trolley:

- Portable Foam Type Fire Extinguishers

Passive Fire Protection:

Passive Fire Protection (PFP) is an integral component of the three components of structural fire protection and fire safety in a building. PFP attempts to contain fires or slow the spread, through use of fire-resistant walls, floors and doors.



Fire Retardant Paint:



Fire Wall :





Fire Fighting Equipments

Fire Hoses & Accessories

A fire hose is a high-pressure hose that carries water or other fire retardant (such as foam) to can permanently attach to a building's standpipe or plumbing system.

Single Jacket Hose:



Features :

- Excellent resistance to abrasion and to intensive professional use.
- High resistance to oil, gasoline and wide range of chemicals.
- Highly resistant to both contact and radiant heat.
- Light weight and flexible.
- Easy to handle and wind up thanks to its great flexibility.
- No maintenance or drying required.

Features :

- Minimum weight with maximum durability and flexibility.
- Outstanding abrasion resistance.
- Tough, dependable and lightweight attack hose.
- A stripe of a contrasting color running the full length of the hose can be provide into the jacket to meet NFPA recommendations for pump panel.

Double Jacket Fire Hose:



PU Lined & Lay Flat Hose:



Features :

- The hose is of single jacket construction.
- Provide maximum strength to weight ratio.
- The hose have a maximum flow with minimum friction loss.
- The hose have no defects, dirt, knots, lumps or other irregularities affecting the performance of the hose.
- The hose is resistant to kinking and remain flexible to -65°F(-53°C).

Features :

- Excellent resistance to abrasion and to intensive professional use.
- High resistance to oil, gasoline and wide range of chemicals.
- Highly resistant to both contact and radiant heat.
- Light weight and flexible.
- Easy to handle and wind up thanks to its great flexibility.
- No maintenance or drying required.

Fire Hose Rack:





Fire Fighting Equipments

Fire Hose Reels, Accessories & Cabinets

A Hose Reel is a cylindrical spindle made of either metal, fiberglass, or plastic and is used for storing a hose. The most common styles of hose reels are spring driven (which is self retracting), hand crank, or motor driven. Hose reels are categorized by the diameter and length of the hose they hold, the pressure rating and the rewind method. Cabinets are a box-shaped piece of furniture with doors for storing miscellaneous Fire Fighting Equipments.

Fire Hose Reel:



- Semi-Rigid Reel Hose
- Fire Hose Reel with Semi-Rigid Hose
- Lock Shield Valve

Cabinet:



- Fire Hose Reel Cabinet
- Fire Equipment Cabinet
- Fire Extinguisher, Valve Cabinet
- Boxes for Dry Riser

Valves & Risers

Valve is a device that regulates, directs or controls the flow of fluid (gases, liquids or fluidized solids) by opening, closing or partially obstructing various passageways. Valves are technically valves fittings, but are usually discussed as a separate category. Riser is a main vertical pipe intended to distribute water to multiple levels of a building or structure as a component of the fire suppression systems.

Landing Valve:



- Oblique Valve, Flanged Inlet
- Oblique Valve, Male Threaded Inlet
- Pressure Reducing Landing Valve

Nozzles & Couplings:





Fire Fighting Equipments

Breeching Inlets:



- 4x2 Way Breeching Inlet
- 6x4 Way Breeching Inlet

Valves & Flexibles:



Fire Hydrants

A fire hydrant is an active fire protection measure, and a source of water provided in most urban, suburban and rural areas with municipal water service to enable firefighters to tap into the municipal water supply to assist in extinguishing a fire.

Dry Pillar Fire Hydrant:

- Dry barrel design eliminates damage to the hydrant caused by freezing of the upper part.
- High performance and easy to install, maintain and repair.
- Excellent and proven flow characteristics.
- Aluminum Hood cover is provided for protection and misusing.
- Operation threads are corrosion protected and for easy operation.
- Internal epoxy paint system gives high corrosion protection to hydrants.



Fire Sprinkler System & Accessories:

The alarm valve is an alarm device designed for installation in a sprinkler system. It is used to actuate a fire alarm when flow of water from the sprinkler system exceeds that of a single sprinkler. When a sprinkler is in operation, the resulting water flow lowers the pressure in the sprinkler system. The greater water supply pressure then causes the alarm valve clapper to open. The seat ring opening of the alarm valve allows the water to flow into the alarm line connection which will then operate the alarm gong.





Fire Fighting Equipments

CAFS

A compressed air foam system (CAFS) is defined as a standard water pumping system that has an entry point where compressed air can be added to a foam solution to generate foam. The air compressor also provides energy, which, gallon for gallon, propels compressed airfoam farther than aspirated or standard water nozzles.

Mobile CAFS System:



Fixed CAFS System:



Mini CAFS:

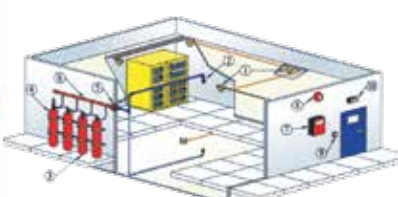


CAFS Handheld Backpack System:



Gas Suppression System

Gaseous fire suppression is a term to describe the use of inert gases and chemical agents to extinguish a fire. Also called Clean Agent Fire Suppression. These Agents are governed by the NFPA Standard for Clean Agent Fire Extinguishing Systems - NFPA 2001 in the USA, with different standards and regulations in other parts of the world.





Fire
Detection
System

Fire Alarm Panels Fire Detection System

- Addressable Fire Alarm Panels
- Conventional Fire Alarm Panels
- Wireless Fire Alarm Panels



Conventional Fire Alarm Panels



Wireless Fire Detection System



Accessories



Voice Evacuation System





Fire Detection System

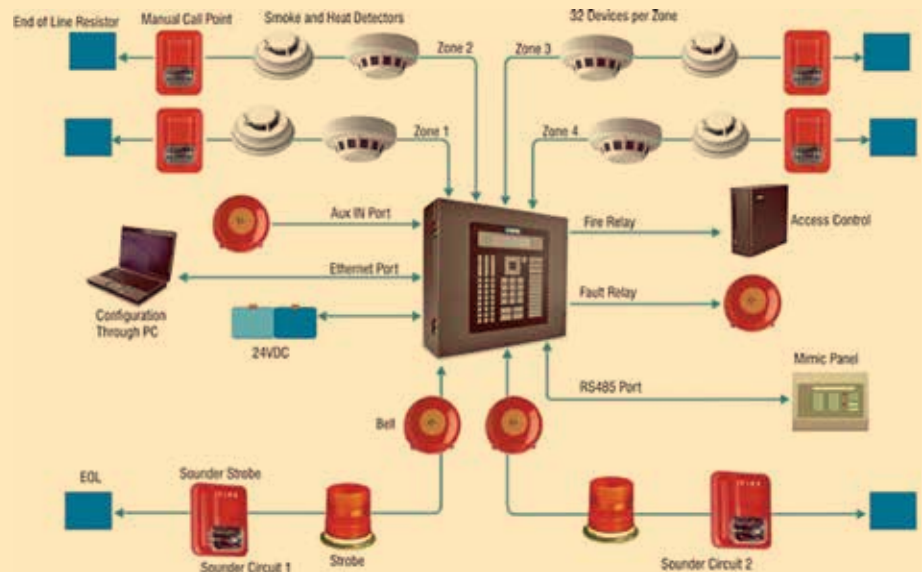
Portable Gas Detector:



Fixed Gas Detector:



Sysstem Architechture:



Detector:

- Addressable Detectors
- Conventional Detectors
- Wireless Detectors

Smoke Detector



Multisensor Detector



Heat Detector



Feature:

- Photo-electric detection of light scattered in a forward direction by smoke particles
- Silicon PIN photo-diode
- Smoke: Photoelectric detection of light scattered by smoke particles.
- Heat: Temperature dependent resistance
- Operating voltage: 17- 28V DC
- Communication protocol: Apollo Discovery 5-9W peak to peak
- Alarm level analog value: 55

Manual Call Point:



Feature:

- Deformable element
- Operation of a switch
- Alarm indicator: Red Light Emitting Diode (LED)
- Operating voltage: 17-28V DC
- Weatherproof

Sounders & Beacon





Fire
Pumps
&
Controllers

Fire Pumps & Controllers:

A fire pump is a part of a fire sprinkler system's water supply and can be powered by electric, diesel or steam. The pump intake is either connected to the public underground water supply piping, or a static water source (e.g., tank, reservoir, lake). The pump provides water flow at a higher pressure to the sprinkler system risers and hose standpipes.

Certified Fire Pumps:

End Suction
Pump



Vertical Turbine
Fire Pump



Jockey
Pump Controllers



Diesel
Fire Pump Controllers

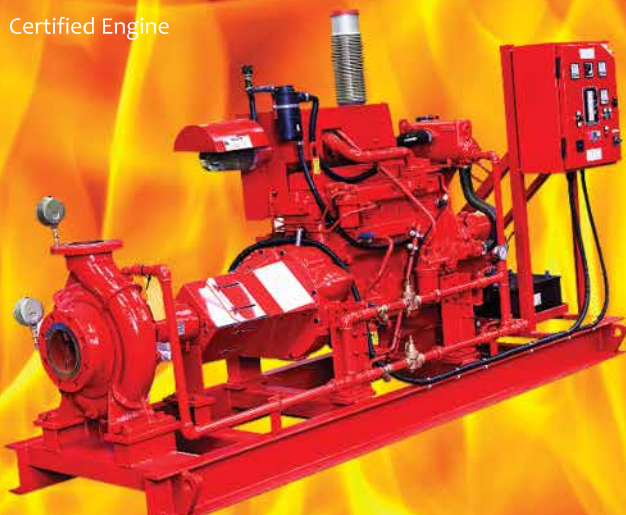


Fuel Tank



Electric
Fire Pump Controllers

Certified Engine



Horizontal
Split Case Pump





Fire Detection System

Portable Fire Pumps

- Addressable Fire Alarm Panels
- Conventional Fire Alarm Panels
- Wireless Fire Alarm Panels

Packaged Certified Fire Alarm Panels

Features:

Put it:



- The standard comp...
- included.



Wireless Fire Detection System



Accessories



Voice Evacuation System





Fire Trucks & Vehicles

Fire Trucks & Vehicles:

A Fire Truck (also known in some territories as a Fire Engine, Fire Apparatus, or Fire Appliance) is a specific vehicle designed primarily for firefighting operations. Many departments employ fire engines for various other uses including but not limited to EMS, hazmat, auto extrication and technical rescue. Its primary role on the fireground include transporting firefighters to the scene, along with a limited supply of water and a full complement of hose lines.

Airport Fire Fighting Vehicles:

- ARFF - Commercial Chassis
- ARFF - Custom Built Chassis

Features:

- Cabin can be single or double cabin subject to chassis selection.
- Equipments are available upon request.
- Tank, cabin and body covers made of Glass Reinforced Polyester (GRP).
- ICAO specified equipments based on airport category are available at request.
- Automatic Around the Pump Foam system.



Municipal & Industrial Fire Fighting Vehicles:



Features:

- This vehicles are prepared for any emergency situation. They are able to carry hydraulic rescue tools, electrical generator, power tools, SCBA, hoses, nozzles and many others.
- Foam systems are highly accurate balanced pressure or electronic injection type.
- Monitors with electric or manual control.
- High pressure hose reel with electric rewind available on selected models.



Fire Trucks & Vehicles



Rescue and Rapid Intervention Vehicles:

Features:

- Cabin can be single or double cabin.
- Tanks options of Glass Reinforced Polyester (GRP), Polypropylene or SS 316L.
- Equipments are available upon request.
- Normal pressure or high pressure firefighting systems can be installed.

Medical Vehicles (Ambulance):

Features:

- Medical Equipments & First Aid Kits available.
- Emergency Stretcher.
- Oxygen system for patient.



Hydraulic Access Platforms for Rescue & Fire Fighting

Features:

- A full range of aerial platforms and turntable ladders that can reach up to 72 mtr. Heights.
- Options of water/foam tanks, foam system, monitor are available.
- Can be used for both municipal as well as industrial applications.



Special Purpose Vehicles:

Features:

- These vehicles are prepared for any emergency situation.
- Equipments are available upon request.
- Can be used for both municipal as well as industrial applications.





Security Surveillance System

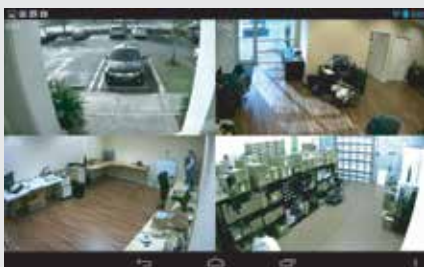
Security Surveillance System, specially closed-circuit television (CCTV), also known as video surveillance, is the use of video cameras to transmit a signal to a specific place, on a limited set of monitors. It differs from broadcast television in that the signal is not openly transmitted, though it may employ point to point (P2P), point to multipoint, or mesh wireless links. Though all video cameras fit this definition, the term is most often applied to those used for surveillance in areas that may need monitoring such as banks, casinos, airports, military installations & convenience stores.

Video Management:

- DVR & NVR
- Storage video Wall Controllers



Software for Video Management:

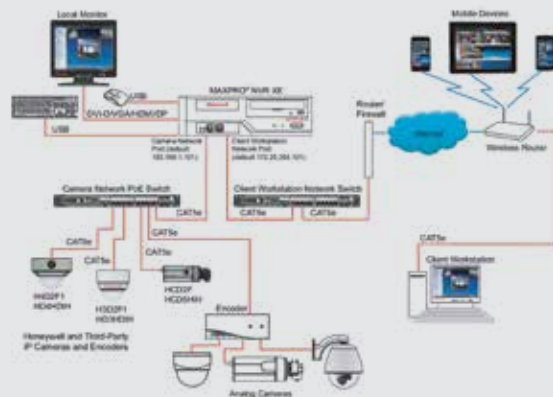




Security Surveillance System

Cameras:

- Analogue & IP
- Thermal & Hybrid
- Laser & IR Camera



Access Control System

Access control is the selective restriction of access to a place or other resource. The act of accessing may mean consuming, entering or using. Permission to access a resource is called authorization.

Access Control:

- RFID & Finger Print Access
- Time & Attendance
- Handheld Metal Detectors & Achway Gates
- Turnstile Gate & Parking Barrier





Public Address System

Public Address & Communication System:



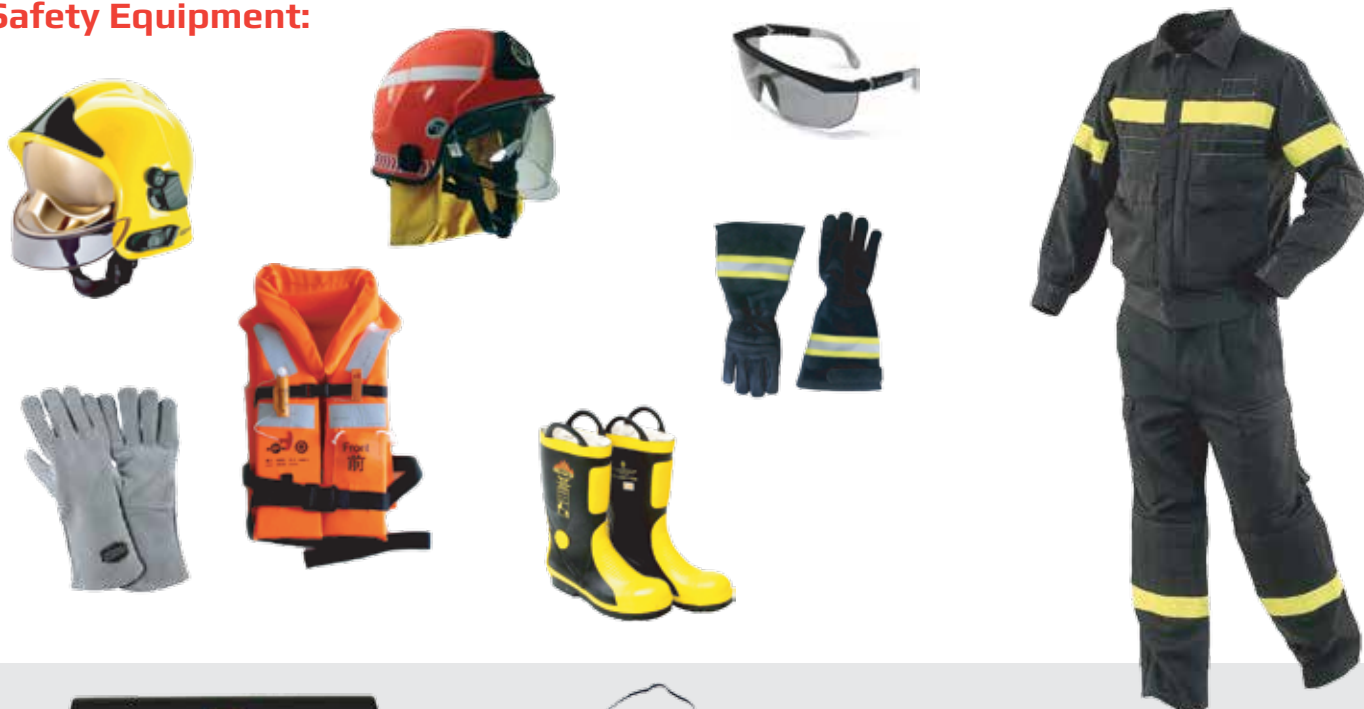
Professional Sound System:





Safety

Safety Equipment:





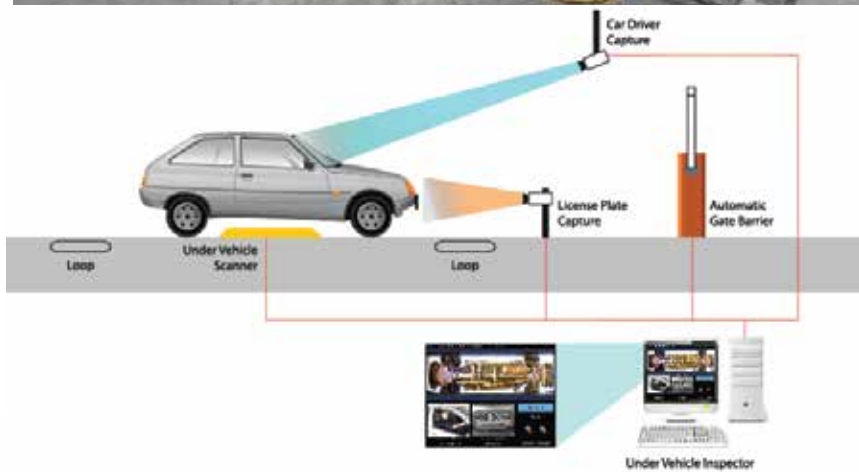
Safety

Parking Management System





Safety





BENGAL®

Think Quality, Think Bengal





ISO-9001-2008 Certified Company



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