



# Company Profile

Maharashtra Fire Service  
Licensed Agency






## About us :

We are pleased to introduce ourselves as a dedicated Fire Engineering firm specializing in the design, implementation, and management of fire prevention and protection systems for a wide range of industrial, commercial, and residential projects.

**RADICAL Engineering Solutions** is a specialized and innovative company providing turnkey projects, repair and servicing of fire protection systems, and industrial fabrication. Since our inception, we have focused on delivering high-quality products and services with a strong commitment to customer satisfaction.

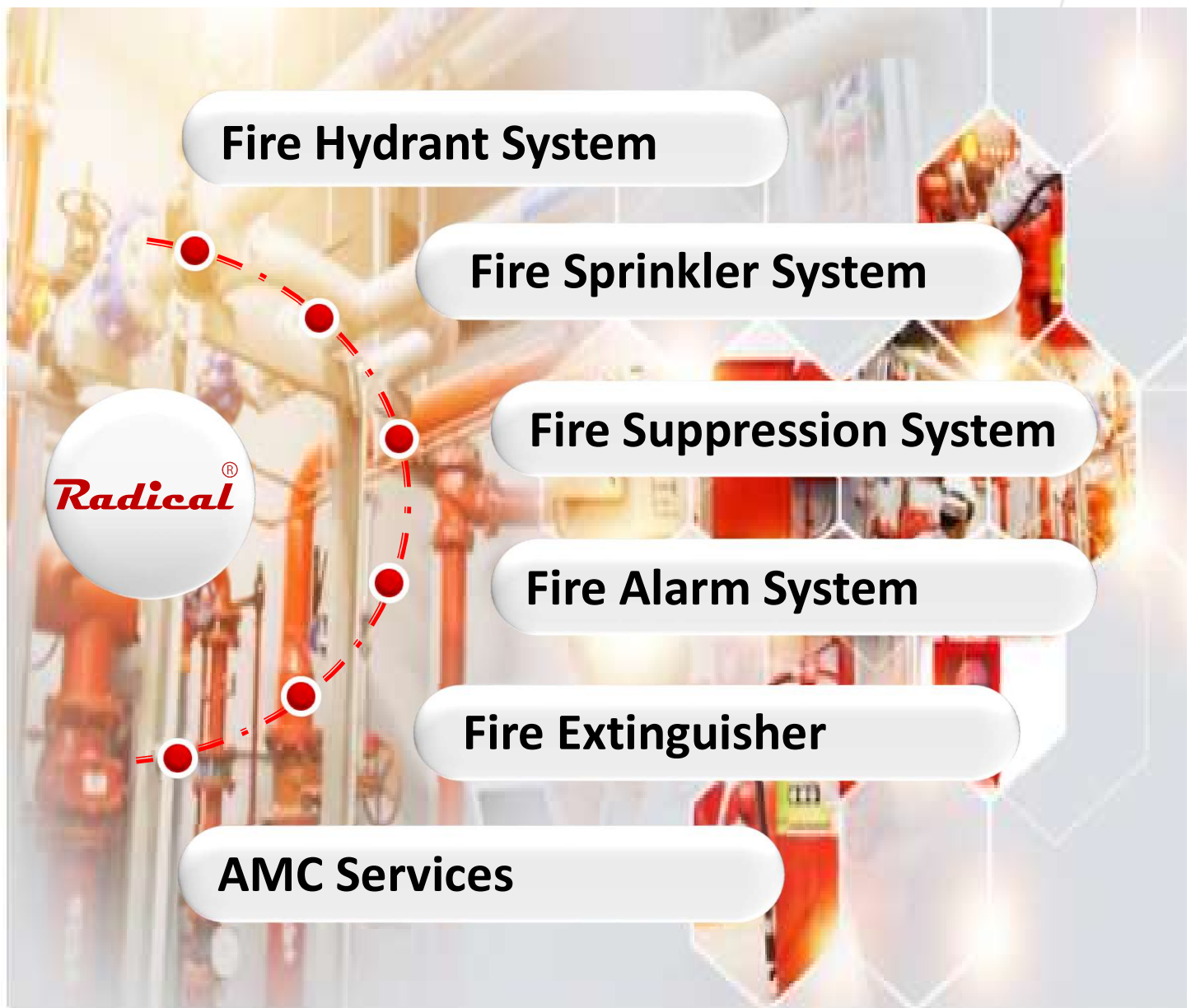
We serve a select group of industries and clients, ensuring each project receives our full attention and expertise. Guided by the principle of “**Innovative Thinking**”, our mission is to offer precise, efficient solutions tailored to client needs through “**Smart Implementation**”.

Our business model prioritizes long-term partnerships, with most of our work coming from repeat clients—a testament to the trust we build through consistent service excellence. Backed by entrepreneurial spirit and technical expertise, we deliver value-driven solutions that enhance client success and foster lasting relationships.



## Our Products :

We deliver tailored solutions that ensure operational efficiency and long-term value for our clients. Each product reflects our commitment to quality, compliance, and customer satisfaction.



## Fire Hydrant System :



Fire hydrant installation consists of a system of pipe work connected directly to the water supply main to provide water to each and every hydrant outlet and is intended to provide water for the firemen to fight a fire. The Fire Hydrant Line is always kept pressurized with water. A fire-fighter connects a fire hose to the fire hydrant and releases a valve to get water from the water main.

**“In India while designing of fire hydrant system need to follow National Building codes, IS codes internal & external hydrant system, codes for pump room water reservoir, local authorities guidelines.”**

## Fire Sprinkler System :



An automatic sprinkler system is intended to detect, control and extinguish a fire, and warn the occupants of occurrence of fire. The installation comprises fire pumps, water storage tanks, control valve sets, sprinkler heads, flow switches, pressure switches, pipe work and valves. The system operates automatically without human intervention

**“In India while designing of fire sprinkler system need to follow National Building codes, IS codes for sprinkler system, local authorities guidelines.”**

## Fire Alarm System :



There are two types of fire alarm systems. Conventional Systems and addressable system. Conventional systems are used for small installation as it becomes cost effective and also serves the purpose of safety. Addressable system used for large installations which gives location identification easily. It is a well-proven technology protecting many hundreds of thousands of properties worldwide

## Fire Extinguishers :



- Powder - MAP 50 & 90 with test reports
- PESO approved co2 cylinder
- EPDM Rubber Hose (Crack Proof)
- Pure Polyester Powder Coating
- Internal Plastic Lining Coating
- Brass forged valves with SS safety Pin
- Higher quality flat horn with diffuser nozzle
- Entirely Deep Drawn two shell body
- Hydro Test with Auto leakage Detection
- Bar Code Label for easy tracking
- UV resistant Transparent labels

ISI Marked | IS 15683:2006 | PESO approved | UL listed



## Fire Suppression System



### Automatically Detect and Suppress Fire Directly at the Source

During a fire, Heat sensing tube nearest point detects the heat and ruptures the tube. Release the fire suppression media through the burst hole to effectively suppress the fire.

### Silent Features :

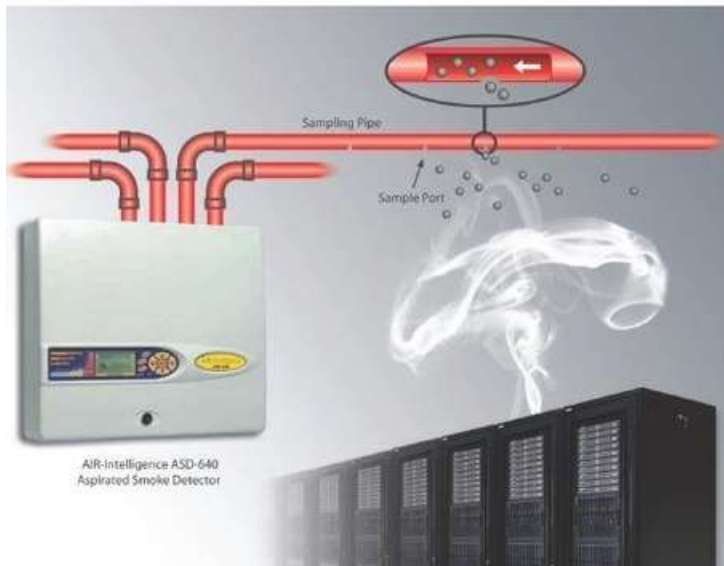
- Low Investment
- Instant Detection
- Zero Maintenance
- No accidental discharge
- Easy to modify and shift
- Suppress fire at early stage
- Installation without downtime



### Highly Recommended for :

- Server Racks
- Network/ switch racks
- Electrical Panels
- Network/ Scada Panels
- UPS Room
- Gensets
- CNC machines
- Injection Molding machine
- Vehicles , Forklift, Ships
- Mobile Tower switching area
- ATM
- Diagnostic machine

## Aspiration Detection System – VESDA



An **aspiration** detection **system** is a highly sensitive form of fire detection that can detect a fire at an early stage. The **system** takes samples of the air and tests them for the presence of smoke

### Benefits :

- Provides an early warning of smoke before it is even visible to the human eye
- An ASD works even when the air handling system is not working
- Works well even in low air damper environments
- Easy accessibility for service and testing remote areas such as lofty ceilings without climbing ladders to maintain smoke detectors
- ASD systems are compatible with addressable and conventional fire alarm systems

”ASD System is required to meet NFPA codes and regulations, including NFPA 72, the National Fire Alarm and Signaling Code. NFPA 72 requires the sampling holes to be spaced at equivalent configurations of spot smoke detectors, which are spaced at 30 feet with the ability to protect 900 square feet. Requirements for a Standard Fire Detection (SFD) system require maximum transport time of the furthest sampling hole to the ASD be no more than 120 seconds”.

## Annual Maintenance Contract (AMC)


“AMC means not cleaning the fire equipment s, we are performing technically , as per IS regulations and company policy”

### AMC Services

- Fire Hydrant
- Fire Sprinkler System
- Fire Extinguisher
- Fire Alarm system
- PA System



### Reports :




**Radical**  
ENGINEERING SOLUTIONS  
Innovative Thinking | Smart Implementation | Customer Satisfaction

Client : /

Title : "Fire Extinguisher Servicing Report"

Month : Aug 2020

Sr. No	F.E. Sr. No	Location of Fire Extinguisher	Type of FE	Capacity	Seal	Pressure	Pressure Gauge	Hose			Mfg Sticker	Access	Identification Sticker	Remark
								Crack	Loose	Clamp				
1	1	Main Gate	ABC	6 Kgs	OK	OK	OK	OK	OK	NA	NA	OK	OK	Mfg Sticker NG Hose Clamp NA
2	2	Dispatch Area	ABC	6 Kgs	OK	OK	OK	OK	OK	NG	OK	OK	OK	Mfg Sticker NG
3	3	Scrap yard	ABC	6 Kgs	OK	OK	OK	OK	OK	NA	NA	OK	OK	Mfg Sticker NG Hose Clamp NA
4	4	Loading Dock Shutter	ABC	6 Kgs	OK	OK	OK	OK	OK	NA	NA	OK	OK	Mfg Sticker NG Hose Clamp NA



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ENGINEERING SOLUTIONS  
Innovative Thinking | Smart Implementation | Customer Satisfaction

Client : /

Title : "Fire Hydrant Servicing Report"

Month : Aug 2020

Sr. No.	Hydrant no.	Location	Delivery Hose		Nozzle	Big Glass		Landing Valve	Hose Box Key	Blank Cap	Valve Washer	Valve Lugs	Remark
			I	II		I	II						
1	HB - 01	Pump House	OK	NG	OK	OK	OK	OK	OK	OK	OK	OK	1 Nos Delivery Hose Leakage
2	HB - 02	Loading Dock	OK	NG	OK	OK	OK	OK	OK	OK	OK	OK	1 Nos Delivery Hose Leakage

FIRE equipment and system AMC along with Legal compliance such as Form B and etc...



## Our Projects :

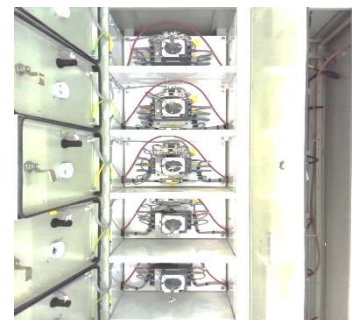
### Taikisha Engineering India Pvt. Ltd (Project Value : 2.93 Cr)



### Jabil India Pvt. Ltd (Project Value : 2.23 Cr)



### Central Bank India (Project Value : 1.45 Cr)



## Brands We Deal In :





Our Clients :



PIAGGIO

**Finolex**  
Cables Limited



**Seco**

**CEAT**

**IFB**

**JABIL**

**Whirlpool**  
CORPORATION



सेन्ट्रल बैंक ऑफ़ इंडिया  
Central Bank of India



बैंक ऑफ़ महाराष्ट्र  
Bank of Maharashtra  
भारत सरकार का उद्यम



**UNICHEM**  
LABORATORIES LTD.



CIE Automotive

**AkzoNobel**

**mahindra**  
**ACCELO**



**ACG**

**Pyrotek**



**LG**



thyssenkrupp



Lucas-TVS Ltd



IISER PUNE



Cyrus Poonawalla Group



**SUPREME**  
GROUP



**OmniActive**  
HEALTH TECHNOLOGIES



**ENKEI**

**Givaudan**

**hagergroup**



# Thank You

*We appreciate your time and interest in our company. For inquiries, collaborations, or more information, please contact us:*

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