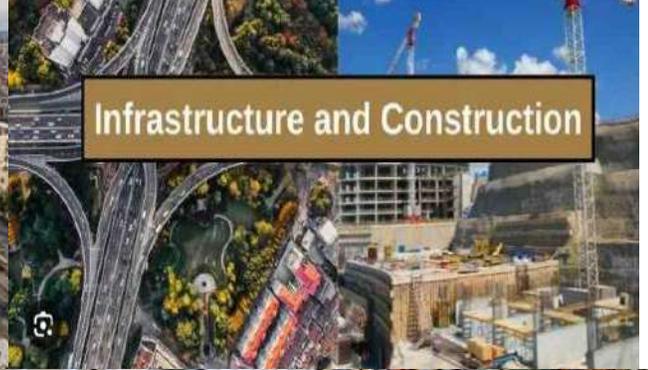




SR VISION ENTERPRISES

Getting the **JOB** done **SAFELY**



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AUTOMATIC FIRE DETECTION & SUPPRESSION SYSTEM

The **Automatic Fire Detection & Suppression System (AFDSS)** is a fully integrated safety solution designed to detect and extinguish fires in their early stages—automatically, efficiently, and reliably. Built to perform in extreme environments such as dusty, humid, and high-temperature conditions, this system provides critical protection for both human life and valuable equipment.

SR Vision AFDSS is an advanced, cost-effective, and reliable fire safety solution, engineered for:

- **Heavy Earth Moving Mining Equipment (HEMM)**
- **Surface Transportation Vehicles**
- **Buses, Vans, Oil Rooms**
- **Boring Rigs, Oil Rigs**
- **Industrial & Hazardous Environments**

Designed to operate efficiently in **dusty, humid, and variable temperature** conditions, SR Vision offers **customizable configurations** tailored to your needs.

Key Features:

- **Multi-Class Fire Protection:**

Class of Fire	Type of Fire	Type of Extinguisher	Extinguisher Identification	Symbol
A	Ordinary combustibles: wood, paper, rubber, fabrics, and many plastics	Water, Dry Powder, Halon		
B	Flammable Liquids and Gases: gasoline, oils, paint, lacquer, and tar	Carbon Dioxide, Dry Powder, Halon		
C	Fires involving Live Electrical Equipment	Carbon Dioxide, Dry Powder, Halon		

- **Scalable System Capacity:**

- From a single 6 kg DCP cylinder with 4 nozzles
- Expandable with additional cylinders (up to 20 kg) and up to 12+ nozzles



- **Triple Activation Mode:**

- **Automatic**
 - **Manual (Switch or Knob)**
 - **Pneumatic**
-

 **How SR Vision System Works**

- ◆ **Automatic Activation:**

1. Fire triggers a rise in temperature.
2. **Linear Heat Sensing (LHS) cable** detects heat and alerts control panel.
3. Visual signals and audible alarms warn the operator and nearby personnel.
4. **Electro-mechanical actuator** is energized.
5. **Rupture disc** in expellant cartridge is punctured, releasing CO₂.
6. CO₂ pressurizes the main cylinder containing the dry chemical powder.
7. Agent is fluidized and distributed via nozzles to suppress the fire.

◆ **Manual Activation:**

In case automatic detection fails, the driver/operator can manually activate the system:

- Via a **switch** on the control panel.
- By turning a **knob** on:
 - The electro-mechanical actuator
 - The **pilot cartridge assembly** (located at ground level)

Once activated, **cylinders and cartridges must be refilled** to ensure future readiness.

✂ **Customizable Solutions**

From small enclosures to large industrial machines, **SR Vision** systems can be tailored in terms of:

- Cylinder size & quantity
- Number and placement of nozzles
- Detection coverage area

➤ **Product List**

- Control Panel
- Sensor Cable
- Cartridge N2
- Pilot Cartridge Assembly
- DCP Cylinder
- Siren
- Other Accessories

 **Manufactured in India by:**



(Note: Technical specifications are subject to change for continuous improvement.)