



A Greater Degree of Fire Protection

F I R E S Y S T E M S

## Interconnecting safety here and around the world



Ron Fire Systems, Inc. is a Fire Protection Contractor servicing the South East Asia and Africa region. Ron provides firefighting, fire detection and alarm system services for the industrial market ranging from light manufacturing to heavy industrial facilities. RON specializes in the protection of facilities that handle, manufacture, and store hazardous materials from local to international clientele. RON understands that its clients are operating in a highly competitive global economy making it essential that their facilities not only operate safely, but cost effective.

### Services Offered

- ✓ Engineering, Procurement & Construction
- ✓ Online Compliance & Inspection Reporting
- ✓ Project Financing

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# Industrial & Manufacturing

## Fire Protection System



Complex code requirements comprise Industrial and Manufacturing fire protection systems. To find the most cost-effective and code compliant system to protect your facility and high-value equipment, wide array of design choices and installation requirements must be carefully considered. This is where RON takes its specialization—to maintain discipline and strict compliance on systems procedure and policies in line of our nature, which is providing our clients with Fire Protection Standards in compliance to NFPA 101 (Standard on Life Safety).





# Industrial & Manufacturing

## Fire Protection System



### Deluge System

These systems are used for special hazards where rapid fire spread is a concern, as they provide a simultaneous application of water over the entire hazard. The sprinklers/nozzles connected to the water piping system are open.



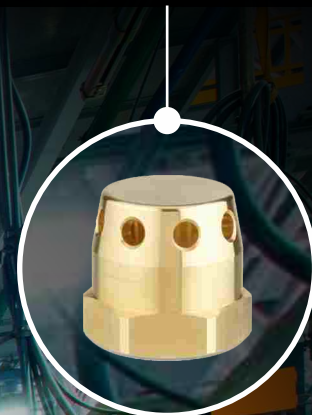
### Sprinkler System

A fire sprinkler system is an active fire protection method, consisting of a water supply system, providing adequate pressure and flowrate to a water distribution piping system, onto which fire sprinklers are connected.



### Discharge Nozzle

The nozzle distributes the extinguishing agent evenly in the extinguishing zone in the calculated flooding time. Nozzles are designed to direct the discharge of inert gas using the stored pressure from the cylinders.

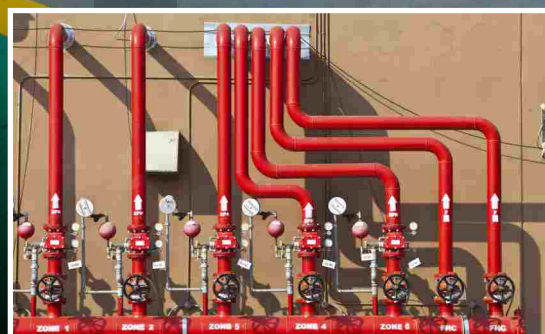


### Fire Hose Cabinet

Fire Cabinet contains fire fighting equipment which are easily accessible by everyone in common areas. It secures fire hose rack assembly, fire hose and fire extinguishers. This fire protection equipment requires manual operation.

### Fire Pump

This facility powers up the water system demand and pressure triggered by installed alarms and sensors all within the factory premise.



### Foam System

Foam System is a foam used for fire suppression. Its role is to cool the fire and to coat the fuel, preventing its contact with oxygen, resulting in suppression of the combustion. Every type of foam has its application. High-expansion foams are used when an enclosed space, such as a basement or hangar, must be quickly filled. Low-expansion foams are used on burning spills.



### Gas Fire 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 National Fire Protection Association (NFPA) Standard for Clean Agent Fire Extinguishing Systems – NFPA 2001 in the USA, with different standards and regulations in other parts of the world. The system typically consists of the agent, agent storage containers, agent release valves, fire detectors, fire detection system (wiring control panel, actuation signaling), agent delivery piping, and agent dispersion nozzles.



Note : This facility is located outside the premise.