



.....Fire, Security & Integrated Systems



About Steehold

Steehold is committed to ethical and fair business dealings and promote a corporate culture which is non - sectarian and non-political.

Our Mission: Steehold is intent on achieving outstanding returns for investors with motivated employees committed to optimizing existing operations and aggressively pursuing and developing additional world - class business profile, promoting mutually beneficial relationships and applying best practice technology.

Our Vision: To be a globally diversified corporate institution through the responsible, sustainable and innovative development of quality assets.

Our Values:

1. Integrity: Fairness and integrity in all business dealings, including the ethical handling of actual or apparent conflicts of interest between personal and professional relationships. Respect for human rights and dignity of others is our core, the acceptance of diverse culture, religious, race, gender and sexual orientation is the pivot of our lasting relationship with the communities we operates in.

2. Transparency: Honesty, transparency and accountability is the benchmark of our high cash flow stability.

Steehold has a wide range of products that will satisfy any need for firefighting. Some systems are designed to be fitted onto regular fire engines giving almost unlimited firefighting capacity. Others are designed to be mobile inside buildings or vessel while others will be able to navigate any terrain or urban environment.

Fire Detection System

Principle of Operation: The primary purpose of a fire indicator panel is to monitor each circuit, zone or point for any condition (alarm signal or other abnormal condition); display the status of that condition and to operate any required output or outputs according to the approved design of the system. These outputs are typically for the purpose of warning occupants on a fire alarm signal, notify the fire brigade, control the spread of heat, smoke or fire; or used for a wide variety of other purposes



FIRE SMOKE DETECTORS: Fire smoke detector is essential It provides vital early warning and extra time to escape if there is a fire.

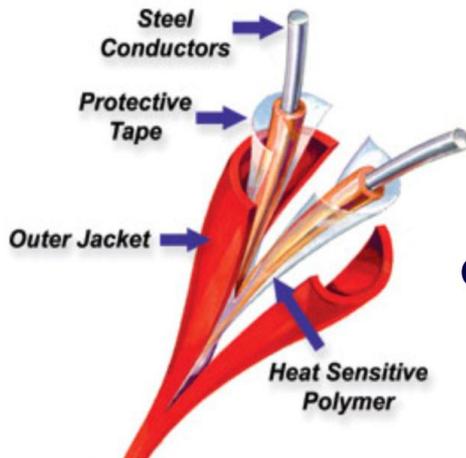
- GENERAL FEATURES:**
- *Wide operating voltage*
 - *Advanced electronic technology*
 - *Flashing LED option*
 - *Magnetic test switch option*
 - *Can be used on security systems*
 - *Proven detection performance*

- APPLICATIONS:**
- *Laboratory*
 - *Control Rooms*
 - *Warehouses*

Fire Detection System

LINEAR HEAT DETECTION:

Protectowire Linear Heat Detector is a proprietary cable that detects heat anywhere along its length and is therefore capable of initiating an alarm once its rated activation temperature is reached. At the rated temperature, the heat sensitive polymer insulation yields to the pressure upon it, permitting the inner conductors to move into contact with each other thereby initiating an alarm signal.



- GENERAL FEATURES:**
- *Line coverage...continuous sensitivity.*
 - *Withstands severe environmental conditions.*
 - *Approved for hazardous locations.*
 - *Easy to install, test, and splice.*
 - *Compatible with other initiation devices on same circuit.*
 - *Separate pre-alarm and alarm actuations (Type TRI).*

- APPLICATIONS:**
- *Conveyors*
 - *Cable trays*
 - *Power distribution apparatus:*
 - *Switchgear, transformers, motor*
 - *Warehouses/rack storage*

Fire Detection System

UV / IR FLAME DETECTORS: A flame detector is a sensor designed to detect and respond to the presence of a flame or fire, allowing flame detection. Responses to a detected flame depend on the installation, but can include sounding an alarm, deactivating a fuel line (such as a propane or a natural gas line), and activating a fire suppression system.

- GENERAL FEATURES:**
- *Multi Spectrum Design - for long distance detection hydrocarbons and hydrogen flames*
 - *High false alarm immunity*
 - *Sensitive Selection - to ensure no zone crossover detection*
 - *User Programmable via HART or RS-485*



- APPLICATION**
- *Power Generation Facilities*
 - *Refinery Hydrogenation*
 - *Hydrogen Fuel Cell Industry*
 - *Aircraft Hangars*
 - *Warehouses*

Fire Detection System



BEACON LIGHT : The signals may operate as stand-alone units or be incorporated into a wider system, such as a fire panel. Strobe Warning Light Hazardous Locations, Weatherproof Manual Alarm Call Points.



CALL POINT: Manual alarm call points are designed for the purpose of raising an alarm manually once verification of a fire or emergency condition exists, by operating the push button or break glass the alarm signal can be raised.

Fire Detection System

4- ZONE CONTROL PANEL: Provide such advanced features as drift compensation maintenance alert, and freeze warning

GENERAL FEATURES: -



APPLICATIONS: -

- *MCC Units*
- *Supermarkets*
- *Control rooms*
- *Warehouses/rack storage*
- *Mining*

FIRE SUPPRESSION SYSTEM (*Fixed Gaseous Extinguishing*)

A complete pre-engineered fire suppression kit – autonomous detection and operation Protection of Electrical Cabinets & Enclosures; small to medium Engine & Machinery Spaces; enclosed Machinery & Structural Compartments)

PYROGEN STAND-ALONE KIT: It is a complete fire suppression system specifically designed as a low cost and simple solution to a difficult task of protecting electrical and other small to medium electrical/ industrial/marine enclosures from ravages of fire.

GENERAL FEATURES:- *rapid system discharge – instantaneous extinguishing action, low agent consumption, minimum fire damage;*

- *non-pressurised self-contained extinguishing modules;*
- *no liquids, no gases, no pressure gauges, no leakage, no modules weighting*
- *ambient operation temperature range up to 95°C;*
- *resistance to vibration, high humidity, corrosive and salty atmospheres;*



APPLICATIONS: - *Marine - machinery spaces, engine rooms*

- *Transport - engine compartment*
- *Aviation - aircraft dry-bays, cargo compartments*
- *Industrial - warehouses, storage tanks, control rooms*

FIRE SUPPRESSION SYSTEM (*Fixed Gaseous Extinguishing*)

PYROSTORM UNIT: The units are intended for extinguishing fires of solid combustible materials, flammable liquids and electrical equipment class A, B, C & E.

GENERAL FEATURES:- *fast acting dry powder type generators & fire suppression system*

- *generators are hermetically sealed*
- *generators are non pressurised, strong and lightweight*
- *safe & easy installation and transportation*



APPLICATIONS: - *Achieves*

- *Control Rooms*
- *Mines*
- *Engine rooms*

FIRE SUPPRESSION SYSTEM (*Fixed Gaseous Extinguishing*)

FM 200 FIRE SUPPRESSION: Fm200 fire suppression is also known as HFC227ea. FM200 is a waterless fire protection system, it is discharged into the risk within 10 seconds and suppresses the fire immediately.

GENERAL FEATURES:- *Existing Halon/CO2 control systems can be adapted for use with FM200*

- *Zero ozone depleting potential*
- *Requires minimal storage space*
- *Safe for use in occupied areas*



APPLICATIONS: - *Telecommunications facilities*

- *Comms rooms*
- *UPS Rooms*
- *Medical facilities*
- *DATA Centres*

FIRE SUPPRESSION SYSTEM (*Fixed Water and Foam Extinguishing 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

GENERAL FEATURES:- *It should have a means of detection*
- *It should actuating mechanism*
- *Delivery system*



APPLICATIONS: - *Factories*
- *Large commercial buildings*
- *Warehouses*
- *Medical facilities*

FIRE SUPPRESSION SYSTEM (*Fixed Water and Foam Extinguishing System*)

DRY PIPE SPRINKLER SYSTEM: A sprinkler system employing automatic sprinklers that are attached to a piping system containing air or nitrogen under pressure. The release of the air or nitrogen permits the water pressure to open a dry pipe valve, allowing the water to then flow into the piping system and out through the opened sprinklers.

GENERAL FEATURES:- *Pressure guage*

- *The system is not filed with water*
- *It is filled with pressurized air or nitrogen*
- *It has valves*

APPLICATIONS:

- *Industrial warehouses*
- *Retail and residential parking garages*
- *Loading docks*
- *Commercial freezers*
- *Residential attics*



FIRE SUPPRESSION SYSTEM (*Fixed Water and Foam Extinguishing*) *System*

DELUGE SYSTEM: Deluge systems are connected to a water supply through a deluge valve that is opened by the operation of a smoke or heat detection system. The detection system is installed in the same area as the sprinklers. When the detection system is activated, water discharges through all of all of the sprinkler heads in the system.

GENERAL FEATURES:

- *It has water control valves*
- *Pressure guage*
- *It is activated automatically through the use of a solenoid valve*
- *A bell*



APPLICATIONS:

- *Power plant*
- *Aircraft hangers*
- *Warehouses*
- *Chemical stores*

FIRE SUPPRESSION SYSTEM (*Fixed Water and Foam Extinguishing System*)

WET PIPE SPRINKLER SYSTEM: The most common type of sprinkle system. A sprinkler system employing automatic sprinklers attached to a piping system containing water. This piping system is connected to a water supply so that water discharges immediately from sprinklers opened by heat from a fire

GENERAL FEATURES:- *Wet system are filled with water under pressure*

- *It has valves*
- *The system are installed in spaces in which the ambient temperature may be cold*



APPLICATIONS: - *Factories*

- *Large commercial buildings*
- *UPS Rooms*
- *Warehouses*
- *Residential houses*

FIRE SUPPRESSION SYSTEM (*Fixed Water and Foam Extinguishing System*)

FIRE HYDRANT: Fire hydrant pump systems (also known as fire pumps, hydrant boosters, fire water pumps) are high pressure water pumps designed to increase the fire fighting capacity of a building by boosting the pressure in the hydrant service when mains is not enough, or when tank fed. They can also be used in water transfer and irrigation applications.

GENERAL FEATURES:- *A piping network which is either a radial or ring main*
- A main water source
- The pillar hydrant (barrel) with the outlet



APPLICATIONS: - *Factories*
- Large commercial buildings
- Chemical stores
- Medical facilities
- Warehouses

Our Clients



GOLD FIELDS



Mining Services

HALLIBURTON



MANTRAC



[Contact Steehold](#) today to learn more about fire and deluge fire sprinkler systems and how the system can meet your needs.