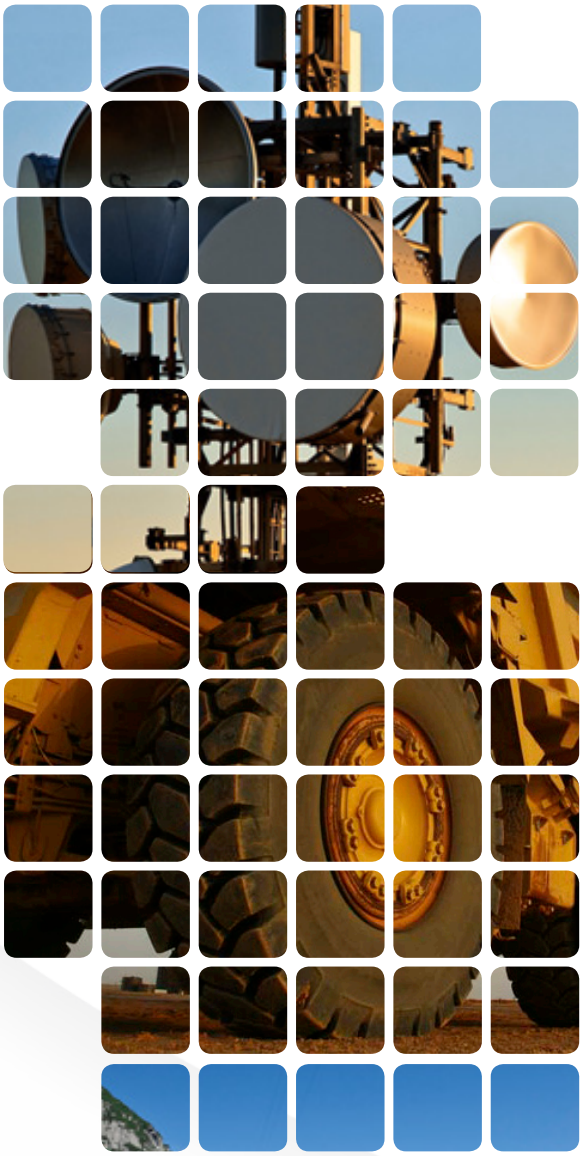
FIRE SUPPRESSION

STAT-X FIRE SUPPRESSION & EXTINGUISHING PANELS

VERSATILE APPLICATIONS
ADVANCED TECHNOLOGY
HIGHLY ECONOMICAL



STAT-X ADVANTAGES

- Effective fire suppression
- Reduced downtime
- 24/7 automatic protection
- Extended service life
- Ideal for harsh environments
- Rugged, sealed stainless steel construction
- Compact and modular design
- UL Listed and multiple international Approvals and Certifications
- Environmentally friendly
- Non-corrosive, non-conductive
- Non-toxic
- Easy replacement - no recharging or refilling
- Virtually maintenance-free
- 15+ year service life
- Minimal residue after discharge

Stat-X®
Aerosol Fire Suppression

TECHNOSWITCH
FIRE DETECTION & SUPPRESSION

RISK: MINES & MINING VEHICLES

Life-threatening and dangerous fires occur frequently in the round-the-clock, punishingly demanding and gritty mining environment.

Protecting surface vehicles, mobile equipment, and electrical components from fire is made even more critical due to the presence of large quantities of flammable diesel fuel, hydraulic fluids and lubricating oils.

Hot exhausts and turbo chargers often combined with electrical hazards provide the necessary ingredients for a fire to erupt, causing extensive damage to equipment, loss of production, and potential injury or death.

RISK: LOCOMOTIVES & RAILROAD CARS

Fire protection of railroads is critically important as the risk of a catastrophic fire to human life and property continues to be a major concern, both in the public sector and in private operations.

Downtime and replacement costs of a damaged locomotive demand that a simple, stable, durable fire suppression solution be implemented. These fires are unpredictable and often difficult to avoid. In recent years, awareness of this issue has grown tremendously, and automatic fire suppression is more and more often required by regulation or strongly recommended as an economical and sensible solution.

Most rail fires occur in electric drives, diesel fuel and electric engine compartments, hybrid battery stations, hydraulics, electric control cabinets and braking mechanisms of the locomotive. Cylinder heads and oil filter chambers are especially at risk.

Fire protection of these areas is complicated by the limited space and the heavy wear and tear of these vehicles. The railroad environment is typically subject to constant vibrations, great changes in humidity and temperature, and dusty and dirt-filled tracks. All of these combine to make Stat-X an ideal fire suppression solution for the rolling stock industry.

OTHER RISK AREAS

- Energy storage systems
- Electronic cabinets
- Switchgear enclosures
- Hazmat storage
- CNC machines
- Data processing equipment
- Telecommunications facilities
- Process control rooms
- High value mobile equipment
- Cellular sites and relay towers
- Data processing facilities
- Flammable liquid storage areas
- Turbine and generator enclosures
- Marine engine rooms and machinery spaces
- Power plants
- Small boats
- General industrial hazards

Stat-X®
Aerosol Fire Suppression

SOLUTION: STAT-X FIRE SUPPRESSION

ADVANCED TECHNOLOGY

Stat-X® highly-advanced fire suppression technology offers the most compact and economical fire extinguishing solution available for a wide variety of industries.

A Stat-X unit consists of an extremely rugged, hermetically sealed, stainless steel canister containing a stable, solid aerosol-forming compound. The canister is durable and non-pressurised, and is capable of withstanding the harsh, corrosive environment of a mine. In the event of a fire, the Stat-X units release ultra-fine particles and propellant inert gases which quickly and effectively extinguish fires without depleting oxygen levels and with no negative impact on the environment.

VERSATILE SOLUTION

Stat-X units are available either as electrically activated units which can be integrated with a variety of fire detection and control systems, or as thermally-activated units, requiring no external power source.

Stat-X units are capable of protecting all high fire risk applications for example all component areas of a mine, including engine compartments, hydraulics compartments, generators, pumps, electrical systems and compartments of heavy equipment vehicles, draglines, shovels, drilling jumbos, switchgear rooms and control rooms.

STAT-X EX

Stat-X EX electric operated aerosol fire suppression units are certified for enclosed environments classified as a hazardous area. These units are authorised to bear both the UL listing and the ATEX mark. Note that this certification does not include the Stat-X family of thermal (manual) operated units, nor the Stat-X First Responder® portable devices.

The Stat-X EX product line is suited for all current Stat-X applications with the exception of explosive dust concentrate areas. Suitable for enclosed hazardous areas in industries such as Oil & Gas, Power Generation, Flammable Liquid and Hazardous Material Storage, Battery Storage, Laboratories, Transportation and Manufacturing.

HIGHLY ECONOMICAL

Stat-X generators are highly compact yet extremely effective fire suppression units.

They are easy to install and require very little maintenance. The units do not have any pressurised cylinders and no pipework is required to distribute the aerosol fire suppressant throughout the special hazard areas. This simple and robust design significantly saves maintenance costs.

The fire suppressant agent is non-corrosive, non-conductive and has little residue, so in the case of a fire and discharge, downtime, cleanup and repair costs are kept to a minimum. Stat-X units may also be replaced quickly and easily, further reducing costly delays in the event of a fire.

FIRE SUPPRESSION
STAT-X FIRE SUPPRESSION & EXTINGUISHING PANELS

SOLUTION: TEC601 19" RACK FIRE & EXTINGUISHING UNIT

The **Technoswitch TEC601** is an all-in-one fire and extinguishing rack mountable control system designed to protect electronic equipment in 19" server room cabinets.

Upon detecting a fire, the unit will release either the built-in, or externally mounted, Stat-X aerosol generators. Signals can be sent to other devices from the relay outputs for Fire, Fault and Discharge conditions.

An external detector or linear heat detection can be wired to the unit as a third detection zone, and an air handling unit can also be connected to cut off the air ventilation system during a fire.

SOLUTION: SOLO ULTRA EXTINGUISHING PANEL

The **Solo Ultra** control panel is a custom-built control panel used to electrically control the release of Stat-X fire suppression systems in vehicle applications.

The panel enables timed programming of system release to ensure the vehicle is at a stand-still before actuation, minimising air-flow disruption of the fire system. The panel also has a tamper proof manual release button, should the driver need to actuate the system manually and facilitates full fault monitoring on all detector and actuation circuits, ensuring any faults with the system are immediately flagged to the driver. An ultra-low power "PARKED" mode function ensures there is no compromise on the performance of the battery when the vehicle is parked.

The system control panel can be configured to meet individual requirements – it can be set as manual only, single stage, or two stage alarm levels. This provides the facility to:

- Raise an alarm on 1st stage detection, alerting the driver to a potential fire situation through visual and audible signals
- Initiate shut down of fuel, fans and engine (as required) on 1st or 2nd stage of alarm via volt free contacts.
- Initiate immediate or timed release of the Stat-X system on 2nd stage detection (either after 0, 5 or 30 seconds).

HEAD OFFICE — JOHANNESBURG
Cussonia Park, 3 Ridge Road, Laser Park, Johannesburg
JOHANNESBURG T +27 (0)11 794 9144 E info@technoswitch.co.za
CAPE TOWN T +27 (0)21 948 4575 ■ **DURBAN** T +27 (0)31 266 8843
www.technoswitch.co.za

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