



Remote Control Fire Fighting System



GASEOUS
SUPPRESSION



WATER
SUPPRESSION



FOAM
SUPPRESSION



EXPLOSION
PROTECTION



FIRE
DETECTION



MILITARY
& DEFENCE



SPECIAL
APPLICATIONS

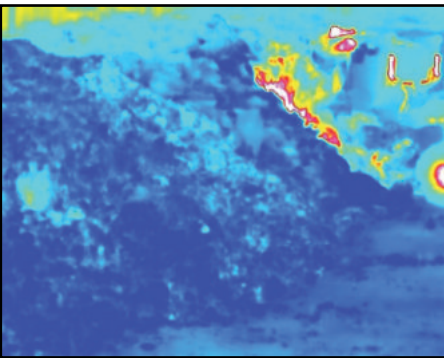


SUPPORT
SERVICES

Remote Control Fire Fighting System

"EVERY SOLUTION FOR YOUR SPECIAL HAZARD PROBLEMS"

"Thermal Imaging Detection systems can be coupled with leading edge water & foam monitors to effectively & efficiently detect & extinguish fires in waste & recycling facilities automatically"



THERMAL IMAGING DETECTION

Our thermal imaging fire detection systems are a reliable choice for surveillance and recognition of spontaneous fires on conveyors, at waste transfer stations and stockpiles. The probability of spontaneous combustion in these areas is high with disastrous effects for personnel and the environment.



Thermal imaging detection systems utilise high performance infrared cameras coupled with a powerful software package to analyse thermographic images to detect hot spots making it a very early warning fire detection system.

The infrared cameras can either be fixed or mounted on a pan-tilt arrangement which automatically monitors a defined area, continually measuring the surface temperatures. Hot-spot differentiation is possible to mitigate false alarms caused by operational heat sources such as hot exhausts from plant machinery, motor housings etc.



Features include remote viewing via event management software, image and video storage, hot-spot targeting, facility heat mapping and automatic operation of remote-controlled water or foam spray monitors.

If a hotspot is detected, the coordinate of the fire can be calculated with the pan and tilt information to either open valves to self-oscillating monitors or remotely operate monitors for more accurate fire-fighting capabilities.

HYDRAULICALLY DRIVEN WATER & FOAM OSCILLATING MONITORS

The use of Fire Monitors in industry applies to areas where there are large distances between accessible points, and the risk of fire or exposure to radiant heat/toxic smoke is severe. Fire monitors use water or foam solutions to project over long distances and provide coverage over a wide area.

It is with this in mind that the range of monitors provided by Fire Protection Technologies are specifically selected to consider optimal throw projection performance, using oval shaped waterway designs, reducing flow friction and turbulence in the water stream.

When combined with our interchangeable nozzle selection we can effectively deliver accuracy and projection performance with straight stream applications using water or foam solution, and wide angled, directional spray fog patterns across singular or adjustable flows.

The robust materials of construction and movement flexibility of our monitors are available across the whole product range tackling flows from 500 L/min through to 12000 l/min and higher. All monitor/ nozzle combinations are available as manual lever, hand wheel operated units OR as remote controlled 24 VDC, 230 AC, 440 VAC assemblies when used in conjunction with our purpose-built control equipment options.

The remote-controlled options for the monitor assemblies are built around tailored interface requirements that allow for functional control from fixed analog (joystick) panels to touch screen displays and radio-controlled portable belly packs.

Monitor operation can be integrated to operate on pre-programmed movement patterns, initiated from user interfaces or condition input signals for given scenarios, such as integration with thermal imaging detection systems forming a 24/7 automated response for detection and suppression of hot spot fire scenarios.



*In addition to this product range, fully programmable & addressable monitor systems are available. For further information please email enquiries@fire-protection.com.au

PRODUCTS:

Gaseous Suppression



Inert Gas (IG-01, IG-55, IG-100, IG-541)
Novec 1230™ Fluid (FK-5-1-12)
FM-200® / NAF S 227 (HFC-227ea.)
Ecaro 125® / NAF S 125 (HFC-125)
Carbon Dioxide (CO₂)
Hybrid Systems (N₂ / Water)
Pressure Relief Vents
Enclosure Integrity Testing Equipment
Pipe & Fittings

Water Suppression



Water Mist - High Pressure
Water Mist - Intermediate Pressure
Water Mist - Low Pressure
Hybrid Systems (Water / N₂)
Monitors & Delivery Systems
High Speed Deluge

Foam Suppression



Foam Concentrates
Foam Proportioning
Foam Delivery Systems
Foam Concentrate Testing

Explosion Protection



Explosion Suppression
Explosion Isolation
Explosion Vents & Pressure Relief
Spark Suppression
Explosibility Testing

Fire Detection



Linear Heat Detection - Digital
Linear Heat Detection - Fibre Optic
Linear Heat Detection - Micro Chip
Flame Detection
Video Imaging Detection
Spark Detection
Control & Indicating Equipment
Thermal Imaging Detection
Aspirating Smoke Detection

Military & Defence



Military Vehicles
Naval Vessels

Special Applications



Micro Environment
Oxygen Reduction
Kitchen Protection Systems
Dry Chemical
Vehicle Systems
Compressed Air Foam
Marine & Offshore
Vapour Mitigation

Support Services



Design / Engineering
Technical Support
Services & Testing

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