



MILITARY & DEFENCE



fire protection
TECHNOLOGIES



GASEOUS
SUPPRESSION



WATER
SUPPRESSION



FOAM
SUPPRESSION



EXPLOSION
PROTECTION



FIRE
DETECTION



MILITARY
& DEFENCE



SPECIAL
APPLICATIONS



SUPPORT
SERVICES

MILITARY VEHICLES

Troops rely on their confidence in the fire protection system to stay inside the vehicle when combat occurs. If they are not confident that the system will keep them safe when the vehicle is hit by an IED, RPG etc. they will need to leave the vehicle, only to be exposed to direct enemy fire.

A fire inside an armoured fighting vehicle caused by enemy fire can rapidly grow to engulf areas that are covered with fuel and produce high intensity heat radiation, smoke and the risk of an internal explosion.

Our Automatic Fire Extinguishing System (AFES) detects fires and explosions, including 'slow growth' fires and will automatically initiate the high speed suppression system to extinguish the fire or explosion and provide survivability for the personnel within the vehicle.

Engine bay systems are also available to rapidly detect and extinguish any fires that may occur as a result of overheating in combat or from enemy fire.

TECHNOLOGY

Survivability is an important requirement of armed forces worldwide. The ability to sustain enemy artillery that causes minimum vehicle damage while the crew remains operative is a must in the modern battlefield.

Modern warfare tactics include the use of Improvised Explosive Devices (IED), Molotov cocktails and other ways to ignite fuel fires, Incendiary hand grenade charges and Concealed explosive/incendiary packages. New generations of significantly improved RPG's and Anti-tank missiles with enhanced penetration capability and extended firing range are operated by infantry or small groups of soldiers from concealed shelters or remotely by radio communications. Sophisticated explosives and sticky

incendiary materials coupled with conventional propellant and explosives mixtures, create more hazardous and lethal weapons that not only penetrate armor causing havoc and secondary fires in the crew or engine compartments, but also stick to its surface igniting external equipment preventing rescue.

The inclusion of a fire detection and suppression system, which by definition eliminates the secondary effects of fuel mist explosion, is an important feature that influences the survivability of their crews.

NAVAL VESSELS

Naval vessels are unique in that almost every part of the ship requires a specialised type of fire protection system. Hazards such as engine rooms, generator rooms, control rooms, ammunition magazines and kitchen areas potentially require different fire protection methods.

Our unique range of products and systems gives us the advantage in protection of naval vessels. Our Gaseous fire suppression and Water Mist system range is ideally suited to these types of areas, as is our video imaging flame and smoke detection and linear heat detection systems.

In addition, we are ideally placed to provide comprehensive system design and engineering as well as after sales support, including service and maintenance.



MILITARY & DEFENCE



"EVERY SOLUTION FOR YOUR SPECIAL HAZARD PROBLEMS"

"Protection for armoured fighting vehicles and ships"

Fire and Explosion Protection Systems for the military forces are manufactured to stringent standards and undergo comprehensive testing to ensure reliable operation in the most difficult and hazardous environments imaginable.

Our partners in this sector include Spectrex a worldwide manufacturer recognised for the design and development of these types of systems.



OUR COMMITMENT "To provide our customers with the best possible service, the highest quality products and the right solution for your needs"

PRODUCTS:

Gaseous Suppression



ProInert™ (IG-01, IG-55, IG-100, IG-541)
Novec 1230™ Fluid (FK-5-1-12)
FM-200® (HFC-227ea.)
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

Support Services



Design / Engineering:

- Design Services
- Project Documentation
- Project Management
- Cost Analysis
- System Hydraulics

Technical Support:

- Design Verification
- Commissioning
- Hazard / Risk Analysis
- Product After Sales Service
- Field Support

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

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

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