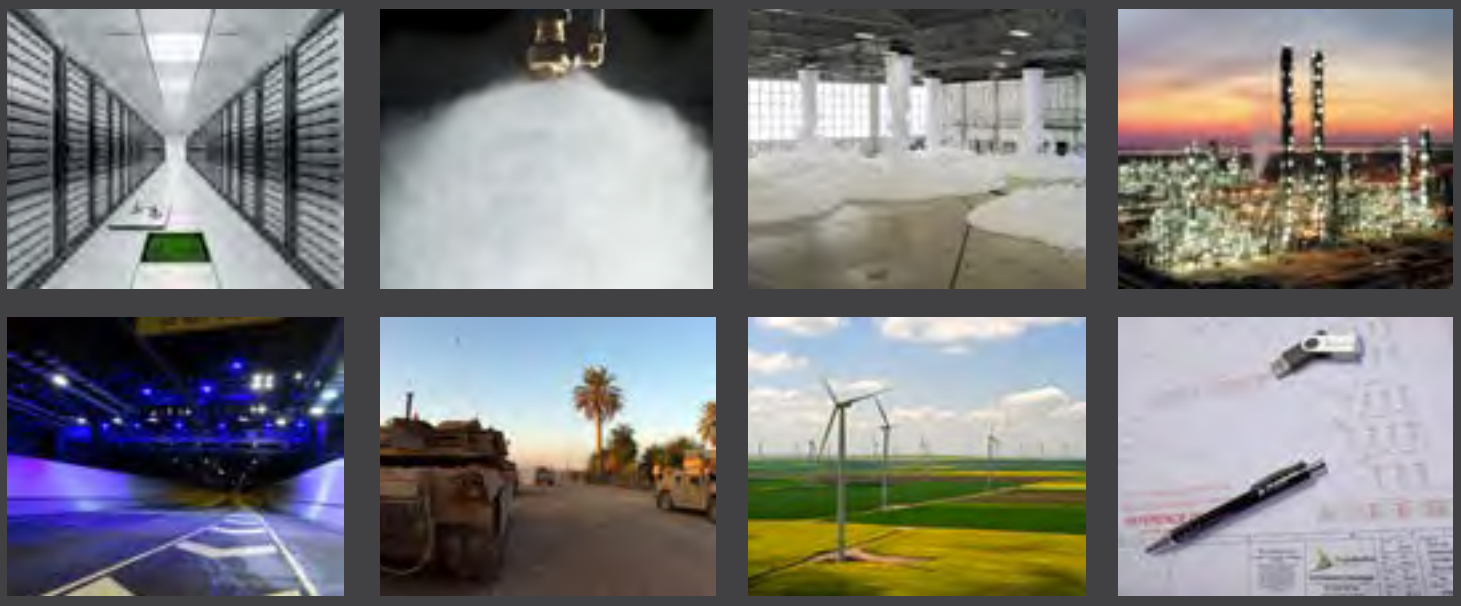
fire protection
TECHNOLOGIES



Corporate
Profile 2025

‘Every Solution For Your Special Hazard Problems’

Contents

Fire Protection Technologies

A BRIEF HISTORY

Founded in 1999 by Patrick D Harrington, Fire Protection Technologies' early goals were to establish an independent supplier of special hazard products that could support the fire protection industry in Australia.

During the early years, Fire Protection Technologies thrived and in 2004 Ron Cromb joined the company as a Director and Shareholder. With exponential growth over the next 4 years, Anthony Stagg also joined the company in 2008 as a Director and shareholder.

Fire Protection technologies continues to flourish and now has a presence, with offices and warehouses, across the Asia Pacific and is considered to be the leading specialist fire protection company focusing on unique and special hazard applications, with expertise in providing design and engineering solutions.

United Safety & Survivability Corporation (United Safety), a global manufacturer of safety and survivability solutions accquired Fire Protection Technologies in November 2023. United Safety continues to complete multiple acquisitions in the safety space globally over the last few years making Fire Protection Technologies its 8th acquisition in Australia.

THE COMPANY

Fire Protection Technologies is the leading independent supplier of product, design and engineering services in Australia, New Zealand and Asia Pacific. In conjunction with our 'whole of life' approach to our product range, technical support, design and engineering solutions are available throughout all stages of a project from development to delivery and we continue to provide ongoing support for the life of the product.

Over the 20+ years of industry service our team understands the requirements of customer support and can boast 350+ years combined practical experience in delivery and engineering of special hazard fire protection.

Being the sole distributor in this region for some of the world's largest and technically advanced product manufacturers, together with our technical capabilities enables us to provide the highest quality products including technical and product support.

Our philosophy "Every solution for your special hazard problems" drives us to continue searching the world for the highest quality products to combine with our existing product range in order to provide the best possible solution for your special hazard problems to protect people, property and business continuity from the hazards of fire and explosion.

Company Profile

A specialist fire protection company focused on the protection of unique and special hazard applications and fire risks. With our extensive expertise in providing design and engineering solutions we strive to provide the right solution for any given hazard.

Fire Protection Technologies have developed partnerships with leading manufacturers around the world who manufacture the highest quality products.

Our aim is to provide design driven solutions and to educate our customers on their options including advantages and disadvantages regarding our products and systems. Enabling our customer to make an informed decision on what product fulfills their needs.

Technical support, design and engineering assistance will be available for the life of the product. Our staff and product managers regularly attend product training with all our manufactures, enabling us to maintain the highest level of up-to-date local support and technical assistance.

We provide local product training and education for consulting engineers, contractors, service technicians and end users. Ensuring that the highest quality installation, technical support, design and engineering assistance is provided during the development, installation and commissioning of a project.

With expected future growth throughout the Asia Pacific region Fire Protection Technologies continues to develop infrastructure to support all of our customers and their needs. Fire Protection Technologies already has established offices and warehouses in Melbourne (Head Office), Sydney, Brisbane, Perth, Auckland and Singapore. As well as dedicated regional managers for South Australia, Tasmania and Northern Territory.

Key Personnel

Senior Management

Anthony Stagg
General Manager
24 years industry experience

Chris Trapnell
National Sales Manager
16 years industry experience

David Boff
General Manager, New Zealand
39 years industry experience

Howard Tomlin
Group Engineering Manager
28 years industry experience

Regional Managers

David Rush
VIC/TAS/SA Regional Manager
24 years industry experience

Shane Rosher
WA Regional Manager
23 years industry experience

Michael Hanni
QLD/NT Regional Manager
9 years industry experience

Shaun Smith
NSW Regional Manager
17 years industry experience

Product Managers

Michael Hanni
Pre-Engineered Systems
9 years industry experience

Barry Farrell
Water Mist & Oxygen Reduction Systems
36 years industry experience

Jeff Apps
Fire Detection Systems
21 years industry experience

Project Management

Cian Fitzgerald
Mechanical Engineer/Project Manager
8 years industry experience

The Group

LOCATIONS

- Melbourne Victoria (Head Office)
  520 m². Office / 2000 m². Warehouse

- Sydney NSW – Distribution
  80 m². Office / 200 m². Warehouse
- Brisbane QLD – Distribution
  150 m². Office / 300 m². Warehouse
- Perth WA – Distribution
  120 m². Office / 400 m². Warehouse

- Auckland NZ- Distribution
  180 m². Office / 500 m². Warehouse

GROUP COMPANIES

Fire Protection Technologies Pty Ltd Fire Protection Technologies Ltd Energy Conservation Technologies Pty Ltd	Australia New Zealand Australia	ACN 634 309 461 NZCN 7585736 ACN 634 309 292

Engineering

Fire Protection Technologies realises that the key to success is in its people. Our team of dedicated fire protection engineers are able to provide design, engineering and consultancy services for practically any type of hazard and fire protection system.

We are available to visit site to carry out audits and surveys as well as commission installed systems. With extensive practical experience in the delivery and engineering of special hazards projects, our products and service are second to none.

Not only is Fire Protection Technologies a specialist fire protection company focused on unique and special hazard applications, we are also in a position to provide solution driven packages including project management, design, construct and outcome driven options. Our unique range of fire and explosion detection and suppression systems means that we are capable of providing an economical protection solution for even the most difficult fire hazards.

A brief summary of our range of products complete with, design, engineering, technical support and training services, include:

- GASEOUS SUPPRESSION — *Gaseous Suppression Products*
- WATER SUPPRESSION — *Water Suppression Products*
- FOAM SUPPRESSION — *Foam Suppression Products*
- EXPLOSION PROTECTION — *Explosion Protection Products*
- FIRE DETECTION — *Fire Detection Products*
- MILITARY & DEFENCE — *Military & Defence Solutions*
- SPECIAL APPLICATIONS — *Special Application Products*
- SUPPORT SERVICES — *Support Services*

Project Management

Some special hazard applications provide unique installation challenges, with specialised commissioning procedures required. Fire Protection Technologies has the capability to provide project management personnel in these instances to design and deliver the required outcomes for specialised projects.

Through our vast network of highly trained contracting partners, we are able to deliver high quality and economically sound installation solutions for our customers.

We understand the critical nature of commissioning systems correctly and our fully trained team of service and commissioning technicians are able to provide full commissioning or commissioning assistance for all our products and systems.

Strengths in project management:

(a) Fire Protection Technologies have an in-depth product knowledge which enable us to provide quality training for contractors to enable them to utilise their existing staff.

(b) Fire Protection Technologies have specialist engineers for each of our products that can assist our project team and the installer to deliver the highest quality outcome.

(c) Over the last 15 years Fire Protection Technologies have come to be recognised within the special hazards industry as a market leader with extensive technical expertise.

OUR STRENGTH

“Our people are the key to our success”

As with any successful business our high quality staff are the key to our success. The Company’s long standing policy of attracting and developing only the best continues to reinforce the reputation that Fire Protection Technologies provides only the highest quality products, advice and support. Our strength is simple, having Key personnel with a combined experience in excess of 350+ years within all facets of the fire industry, enables us to provide the highest quality product, advice and services to our customers.

PROJECT SUMMARY, PRODUCTS & SERVICES

Project Summary

The following is a summary of the range of projects carried out by Fire Protection Technologies:

Australia

PROJECT: PRODUCT PRODUCTION LINES - 3 OFF
CLIENT: CADBURY SCHWEPPES LIMITED
SITE: CHOCOLATE MANUFACTURING PLANT, VIC
PRODUCT: **INDUSTRIAL EXPLOSION SUPPRESSION SYSTEM**
BRIEF SCOPE: Design, supply and project management of an Industrial Explosion Suppression System to protect three new starch moguls.

Cadbury - AUS

PROJECT: AIRPORT LINK & NORTHERN BUSWAY
CLIENT: THIESS JOHN HOLLAND
SITE: BRISBANE (CBD), QLD
PRODUCT: **MICRO CHIP LINEAR HEAT DETECTION SYSTEM**
BRIEF SCOPE: Design, supply and commissioned project. Supplying hardware, configuring program and commissioning of a Micro Chip based intelligent linear heat detection system. The system is interfaced directly with the fire control panels to operate the appropriate sprinklers deluge system within the 5.5 Km long tunnel. This is the second largest system of its type in the world with around 40 km detection cable installed.


Northern Busway - AUS


Airport Link - AUS

PROJECT: NEXT DC DATA CENTRES
CLIENT NEXT DC
SITE: MELBOURNE M1, M2 & M3
SYDNEY S1, S2 & S3 PERTH PI &P2, & CANBERRA

PRODUCT: **FOGTEC WATER MIST**

BRIEF SCOPE: Fire Protection Technologies protects Australia's largest Data Centre in Sydney with their ProInert Inert Gaseous Extinguishing System.

The Fike ProInert system, due to its constant flow valve technology was selected to protect the Next DC Data Centre facilities around Australia. The decision to use the ProInert technology was an easy one due to the proven performance of the constant flow valve technology which has been on the market for 7 plus years. The benefit of the ProInert system has meant a single low pressure main could be run throughout the building with directional valves at each level. This design feature was capable due to the Fike ProInert constant flow valve meaning that installation time and money was saved compared to running separate mains from the cylinder bank to each risk on each floor. The other advantage with the constant flow valve technology was the reduced amount of pressure relief venting for each data hall. Having a constant flow valve technology installed has meant the free vent area needed to reduce discharge pressures could be reduced by 1/3 when compared to the older orifice based inert gas technology.

So far the Sydney, Canberra, Melbourne and Perth facilities have been successfully commissioned with the Fike ProInert system. With the S1 (Sydney) facility boasting the biggest inert gaseous extinguishing system in Australia with over 600+ (300bar) ProInert cylinders installed.


Sydney - AUS


ProInert Cylinders - AUS


Melbourne - AUS


Perth- AUS


Canberrra - AUS

PROJECT: JOINT STRIKE FIGHTER FACILITY
CLIENT: TRIPLE M FIRE
SITE: RAAF WILLIAMTOWN
PRODUCT: **FIREDOS**
BRIEF SCOPE: Design, supply foam propylene system to support three (3) hanger applications


RAAF Williamtown - AUS

PROJECT: CLEM7
NORTH SOUTH BY-PASS TUNNEL
CLIENT: UGL THIESS
JOHN HOLLAND JOINT VENTURE
SITE: BRISBANE (CBD), QLD
PRODUCT: **FIBRE OPTIC**
LINEAR HEAT DETECTION SYSTEM
BRIEF SCOPE: Design & supply commission project, providing system design, hardware, installation support, configuration program and commissioning of Fibre Optical linear heat detection system. The system interfaced directly with the fire control panels to operate the appropriate sprinklers deluge system within the 4.5 Km long tunnel.


Clem7 Motorway - AUS

PROJECT: POLARIS DATA CENTRE
CLIENT: THIESS
SITE: POLARIS DATA CENTRE
SPRINGFIELD, QLD
PRODUCT: **PROINERT**
GASEOUS SUPPRESSION SYSTEM
BRIEF SCOPE: Design & construct project, suppling design and project management works for a ProInert System for the Polaris Data Centre Springfield.


Polaris Data Centre - AUS

PROJECT: MELBOURNE AIR SERVICES
CLIENT: HIROTEC
SITE: MELBOURNE AND BRISBANE AIRPORT
PRODUCT: **PROINERT (IG-541), FOGTEC HIGH PRESSURE WATER MIST, VORTEX HYBRID WATER MIST**
BRIEF SCOPE: New Air Services Communication Centre for monitoring Air Traffic around Australia. ProInert Gaseous Suppression was used in Communication Rooms, MSB Room and UPS Rooms. System configuration was a connected Main and Reserve cylinder bank, in the event of a system activation allow for immediate change over to the reserve system. The Fogtec High Pressure Water Mist System is protecting the Diesel Generator Rooms A & B. The unique Vortex Hybrid Water Mist System with its incredibly fine water droplet sizes is protecting the UPS Battery Rooms A & B.

Melbourne - AUS

Brisbane - AUS

PROJECT: 7 WINCH ROOMS
CLIENT: TRIPLE M FIRE PROTECTION
SITE: **SYDNEY OPERA HOUSE**
PRODUCT: **VORTEX 1500**
BRIEF SCOPE: The VORTEX Hybrid Water Mist System was selected to protect the operation critical Winch Rooms with the iconic Sydney Opera House. The winch rooms are critical for the Sydney Opera House as they winch up stage props during performances.
The system configuration is unique as the cylinder bank has been located in the basement of the building with combination panels arranged at various winch room locations. This hybrid water mist system has been configured in a similar method to a traditionally gaseous suppression selector valve system that shares a common bank of Inert Gas Cylinders. The combination panels are designed to divert the nitrogen and water to the specific risk that is has entered into alarm from the logic of the fire detection system.


Sydney - AUS

PROJECT: PARLIAMENT HOUSE
CLIENT: FIRE BOAR
SITE: BRISBANE CITY, QLD
PRODUCT: **PROINERT (IG-541) & VORTEX HYBRID WATER MIST**
BRIEF SCOPE: ProInert (IG-541) Gaseous Suppression systems have been installed to protect the Brisbane Parliament House Strong Rooms whilst the Vortex Hybrid Water Systems is being used to protecting the Library areas.


Parliament House - AUS

PROJECT: EXXON MOBIL AUSTRALIA / NEW ZEALAND
CLIENT: MOBIL REFINING/ MOBIL AVIATION
SITE: ALTONA REFINERY,JUHI TULLAMARINE, NEW ZEALAND TERMINALS
PRODUCT: **FOAM DELUGE AND FIREDOS FOAM PROPORTIONING SKID.**
BRIEF SCOPE: Fire Protection Technologies were engaged to assist Exxon Mobil them in designing and to providing a New Generation Fire Fighting Foam systems that are to be used to protect Terminals and Refineries across Australia and New Zealand. A critical element of the decision to use the FireDos Foam Proportioning System in this these applications was the system's ability to accurately proportion pseudoplastic fluorine free foam and the unique ability to test the accuracy of the proportioning system without the need to discharge a drop of foam or generate any foam solution.


Altona Refinery - AUS


FireDos Foam Proportioning Skid - AUS

PROJECT: MELBOURNE JET BASE
CLIENT: ENTIRE FIRE PROTECTION
SITE: MELBOURNE AIRPORT VIP FACILITY
PRODUCT: **FIREDOS FOAM PROPORTIONING SYSTEM**

BRIEF SCOPE: Fire Protection Technologies were engaged by Entire Fire Protection to design and supply a foam firefighting system to protect the Melbourne's VIP Jet Base main hangar. The system provided comprised of 3 FireDos foam Proportioning systems and included main and reserve 316 grade stainless steel firefighting foam storage tanks. The system is has been designed to achieve flow rate of up to 26,000 Litres per minute using parallel FireDOS FD1500/3-PP-S for the main hangar and flow rates up to 7,300 litres per minute using a single FireDOS FD10000/3-PP-S for the DC3 Hangar.


Melbourne Jet Base- AUS

PROJECT: NORTH WEST RAIL LINK
CLIENT: NORTHWEST RAPID TRANSIT | SYSTEM JOINT VENTURE
SITE: SYDNEY NORTHER SUBURBS
PRODUCT: **PROINERT (IG-55) GASEOUS SUPPRESSION**

BRIEF SCOPE: Fire Protection Technologies were engaged by the SJV for the Northwest Rapid Transit Project to design and supply all the gaseous suppression systems across the entire rail networks that included 13 Station, the underground rail network and associated Traction Substations and Sub Stations that provide power to the rail network. All up there was in excess of 180 protected enclosures with around 90 directional valves and 500 cylinders being required for primary discharge. Works also included design verification of enclosure volumes, enclosure integrity testing of all 180 enclosures, pressure relief venting design and performance verification.


Airport VIP Facility - AUS

North West Rail Link - AUS

New Zealand

PROJECT: BRICKETTE PLANT
CLIENT: SOLID ENERGY
SITE: LIGNITE BRICKETTE PLANT INVERCARGILL
PRODUCT: **INDUSTRIAL EXPLOSION SUPPRESSION SYSTEM**

BRIEF SCOPE: Design, supply and project management of an Industrial Explosion Suppression System to protect Hammer Mills, Surge Bins and Hoppers.


Lignite Brickett Plant - NZ


Lignite Brickett Plant - NZ

PROJECT: VICTORIA PARK TUNNEL
SITE: AUCKLAND
PRODUCT: **MICRO CHIP LINEAR HEAT DETECTION SYSTEM & PROINERT GASEOUS SUPPRESSION SYSTEMS**

BRIEF SCOPE: Design, supply and commissioning of a Micro Chip based intelligent linear heat detection system for the Vic Park Tunnel and ProInert systems to protect critical Switch Rooms etc.


Victoria Park Tunnel - NZ

Products & Services

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 (C02)
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:
Design Services
Project Documentation
Project Management
Cost Analysis
System Hydraulics

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

Services & Testing:
Hydrostatic Pressure Testing
System Recharging / Reinstatement
Enclosure Integrity Testing
Integrity Testing Equipment
Calibration
Foam Concentrate Testing
Maintenance Services
Training
De-Commissioning

COMPANY POLICIES

Quality Assurance

QUALITY POLICY STATEMENT

Fire Protection Technologies is committed to providing fire protection systems of the highest quality, and in pursuit of this commitment, implements a “quality system” in accordance with the Australian Standards model of quality assurance in production, installation and servicing and in accordance our suppliers requirements and or accreditation.

We have adopted this Quality Standard in the firm belief that the route to economic success and customer satisfaction is achieved by maintaining the highest standards of performance and reliability.

Through our quality management systems and procedures, each employee is committed to implementing the quality requirements within the scope of their activities.

Employee involvement is also encouraged through participation in continuous improvement work groups.

The philosophy used in producing our manual was to offer a consistent and logical approach to quality, that is implemented, practiced and reviewed in our everyday activities, with total support from senior management and staff, with the goal of getting it right the first time, every time.

Our quality policy is continually reviewed and refined to adhere to current demanding quality assurance requirement.

Anthony Stagg

Managing Director

Environmental

ENVIRONMENTAL POLICY

The Directors and Senior Executives of Fire Protection Technologies Pty Ltd are committed to managing the environmental impacts resulting from Company activities and to ensure that these activities are ecologically sustainable whilst continuing to meet customer expectations.

Fire Protection Technologies Pty Ltd is committed to protection of the environment with regard to products and work-sites and to the protection of personnel from risks to human health.

We will achieve these goals by:

- Complying with the requirements of ISO 14001 and other relevant Environmental legislation and obligations.
- Manage our diverse activities to prevent or minimize pollution and impacts on visual amenity, air, water, land, flora, fauna and cultural and heritage values.
- Strive to improve resource consumption efficient and minimize waste generation in our Services.
- Investigate and implement mutually beneficial programs of environmental management with interested parties.
- Ensure understanding of environmental requirements and implementation of standards among our employees, suppliers and contractors.
- Set and review environmental objectives and targets.
- Monitor and report our environmental progress, and
- Continue to improve our environmental management system and environmental performance.

Anthony Stagg

Managing Director

Occupational Health & Safety

OH&S POLICY STATEMENT

The Management of Fire Protection Technologies believes that each Employee has the right to work in a safe and healthy workplace.

To achieve this, we will make every reasonable effort in the areas of accident prevention, hazard control and removal, injury protection, health preservation and promotion. These aspects of working conditions will be given top priority in Company Plans, Procedures, Programs and Job Instructions.

In conjunction with this Policy, a series of Rules, Procedures, Programs and Policy statements on specific individual safety and health matters will be prepared and issued.

The Company is committed to compliance with the requirements of AS4801 and other relevant OH&S standards.

Management recognises their responsibilities in the above arenas. We will actively pursue the above belief. We will provide appropriate training and resources when identified and required.

Supervisors will be held responsible for working conditions under their control. They are to provide initiative and follow up action to maintain this Policy. They must communicate well between Management and Employees.

Employees have a responsibility for their own safety and that of their fellow workers. In a situation where an employee does not feel they are in a safe environment, they have the responsibility to walk away or remove themselves from the situation immediately.

The success of the Occupational Health & Safety Program ultimately rests on the willingness of everyone to co-operate and work collectively with a Team Spirit.

Anthony Stagg

Managing Director

MANAGING DIRECTOR'S OH&S COMMITMENT

As Managing Director of Fire Protection Technologies Pty Ltd, I am personally committed to the well being and improvement of all our personnel. Our goal is to eliminate all potential accidents and achieve zero Lost Time Injuries.

To achieve this goal, it will be our aim to regularly review our management systems to ensure control of our workplaces. Procedures for training, safety, planning and attitude maintenance of personnel will be agreed with both staff and a qualified Occupational Health and Safety person.

All employees are encouraged to report any hazards or potential safety breaches to their supervisors immediately, so that they can be investigated and eliminated. All employees have the right to immediately cease work if they feel that an unsafe situation exists and to immediately report the situation to their supervisor for investigation.

We have a total commitment to the safety of our personnel and to those persons that we interact with.

Anthony Stagg

Managing Director

PRODUCTS:

Gaseous Suppression

- Inert Gas (IG-01, IG-55, IG-100, IG-541)
- Novec 1230™ Fluid (FK-5-1-12)
- FM-200® (HFC-227ea.)
- Carbon Dioxide (CO_2)
- Hybrid Systems (N_2 / 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 / N_2)
- Monitors & Delivery Systems
- High Speed Deluge

Foam Suppression

- Foam Concentrates
- Foam Proportioning
- Foam Delivery Systems
- Compressed Air Foam
- 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
- Marine & Offshore
- Vapour Mitigation
- Li-Ion Fire Systems

Support Services

- Design / Engineering
- Technical Support
- Services & Testing

Australia

Head Office
Unit 1, 251 Ferntree Gully Road
Mt Waverley VIC 3149
Australia

Brisbane Office
3/33 Stockwell Place
Archerfield QLD 4108
Australia

Perth Office
18 – 20 Ledgar Road
Balcatta WA 6021
Australia

Sydney Office
25 Mustang Drive Rutherford
NSW 2320
Australia

1300 742 296
www.fire-protection.com.au
enquiries@fire-protection.com.au

New Zealand

Auckland Office
Unit 2, 13 Airborne Road
Albany North Shore 0632
New Zealand

0011 64 9415 5488
www.fire-protection.net.nz

fire protection TECHNOLOGIES

'Every solution for your special hazard problems'