



Commentary

Hello and welcome to the September edition.

The next 5 weeks before our annual conference kicks off continue to be the significant focus at the moment. However we have had the Industry SIG groups meet and review their activity. It is pleasing to see the level of progress we are making on several issues. The HOFFE Group have made significant progress on the certification and accreditation scheme along with a product register; the Passive Group have agreed to hold a training seminar in November; and the Evac Group are supporting the code of practise rewrite. The Inspectorate Group have a number of key issues to deal with – Jason Godsmark has provided some information within this newsletter which will be of interest to contractors and service agents alike.

An interesting article was also released at the FPANZ council meeting detailing that Spark are planning to shut down their paging network by the end of March 2017. To date this has not been picked up by the mainstream media. Obviously as an industry we respond to over 100,000 pages per annum and the NZ Fire Service are the biggest user. The paging system has some significant advantages over other forms of communication including mobile. The system is also used by a variety of other services including hospitals and medical response – we know how ineffective mobile networks are with overloading, and in times of emergency a delay of a minute could well be the difference between life or death. The complete article can be found at this link:

<http://www.geekzone.co.nz/sbiddle/8834>  CLICK TO OPEN LINK

Fire NZ October 15th-16th Wellington



We are all involved in a variety of plans to ensure that we try to accommodate all of our delegates, exhibitors, attendees and sponsors. Its been very rewarding to see the level of support this year for the event in Wellington. The event will draw a large number of the public and new delegates to a variety of displays being planned and engagement with some new supporter groups will help promote the variety of events on offer.

On behalf of the three organisations who are involved in this year's event, we look forward to hosting you and showcasing our industry capabilities and expertise in "Fire Design, Safety and Innovation"

We have international guest and key note speakers who are bringing a new information to the conference this year along with a series of media promotional events.

The TSB ARENA offers an exciting place to be and we are looking forward to receiving our delegate registrations this month.

We have sold 100% of our stands to date and we have had to provide other areas for exhibitors to become involved

Halon 1211 /1301 Responsible Disposal Project

We have a swap-out program this year for our involvement with the conference, more details to follow but we are chasing Halon from all parts of the country.

Our project is now underway and we are taking Halon product through to destruction.

The media packs have been released to our recognised fire equipment service agents. Watch our website for more information and updates as we continue to profile the campaign.

Membership

If you have any questions about renewals or your membership status, please feel free to contact one of the team on 09 414 4450. Your certificates and vouchers are being processed and sent out as payments are received in the office.

AGM

The upcoming Annual General Meeting in November sees a number of council positions being placed up this year for nomination. We encourage those of you who are interested in joining council to contact me to discuss how you may add value to the wider collective group. We also have the nominations for the SIG group chair roles. These are important and busy roles with a key focus on achieving their goals through the membership and a push to lift standards across all sectors of the Fire Protection community.

Enjoy the read if you have any feedback on industry topics or events. My email is keith@fireprotection.org.nz

Keith Blind, Executive Director, FPANZ

SEPTEMBER 2015 ISSUE

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Event Schedule September - December 2015

17th September 2015	National Council FPANZ Board Members Meeting	Auckland
13th October 2015	Seminar Series - Boost your BIM	Auckland
15th - 16th Oct 2015	FireNZ Conference 2015	Wellington
15th October 2015	SIG Meetings: Passive, EVAC, Inspectorates	Wellington
16th October 2015	HOFFE Meeting	Wellington
19th October 2015	Seminar Series - Boost your BIM	Christchurch
4th November 2015	Passive Hands-On Training Session	Auckland
6th November 2015	FPANZ Golf Day	Auckland
19th November 2015	National Council FPANZ Board Members Meeting	Auckland
7th December 2015	HOFFE Group SIG Meeting	Auckland
8th December 2015	Passive Group SIG Meeting	Auckland
9th December 2015	Evac Group SIG Meeting	Auckland
10th December 2015	Inspection Group SIG Meeting	Auckland
11th December 2015	Northern Region Contractors SIG Meeting	Auckland

fire NZ 2015
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Fire Protection Association New Zealand

NEWSLETTER

Advertising Rates 2015

We are pleased to offer the following rates for those members who are interested in newsletter advertising.

	Casual	3 Issues	6 Issues +	Dimensions (H x W)
Full Page.....	\$1050.00	\$1000.00/issue	\$945.00/issue	25cm x 18cm
½ Page.....	\$900.00	\$845.00/issue	\$810.00/issue	12.5cm x 18cm
⅓ Page.....	\$750.00	\$705.00/issue	\$675.00/issue	8.4cm x 18cm
¼ Page.....	\$600.00	\$560.00/issue	\$540.00/issue	6.3cm x 18cm
⅛ Page.....	\$500.00	\$470.00/issue	\$450.00/issue	3.2cm x 18cm

SPECIAL OFFER!!!

For a LIMITED TIME ONLY we would like to offer an advertising special for FPANZ members. Please see the special rates below.

SPECIAL FPANZ MEMBER RATE:	Casual	3 Issues	Dimensions (H x W)
Full Page.....	\$500 per month	3 months total \$1500	25cm x 18cm
½ Page.....	\$250 per month	3 months total \$750	12.5cm x 18cm

if you have any question or would like to advertise please contact us on fpanz@fireportection.org.nz

Evacuation Consultants Group Update - Author **Ela Langford** - EVAC Group Chair

I trust my writing finds all of you in good health.

Over the past weeks I have begun to prepare for the Fire NZ Conference. Apart from confirming my attendance, making flight and accommodation arrangements. I also reflected on some of the topics that are going to be discussed such as contextual matters concerning high-rise buildings. I will share some of my contemplations with you to warm you up to this year's conference and encourage you to come along.

I felt led to ponder issues in relation to evacuation procedures concerning these buildings and the many considerations an Evacuation Consultant, our industry, governing bodies, clients and the building owner(s) get involved with when it comes to evacuations of people from a place of danger to a place of safety.

My considerations encompassed issues such as, how do we ensure effective evacuation for all people and adequate training for occupants from high-rise buildings? Given conditions such as: unknown human and fire behaviour, delays in and on acting on evacuation signal(s) may occur. Occupants may encounter also limited capacity of stairs for egress and a limited capacity of stairs for emergency responder access during the evacuation may be a reality.

What evacuation strategies in building(s) with requirements for total evacuation need to be considered in managing situation(s) like these in such an event? What contingency evacuation strategies may be prudent to be considered when deficient in alternatives and confronted with a single event having compromised the means of escape in the emergency situation?

What best practice and instructions guide the evacuation of person(s) with mobility impairments and /or disabilities to evacuate to 'areas of refuge' and 'place of safety' in such a scenario? What role could elevators play in the evacuation procedures, if any, and at what stage of an emergency using a lift becomes a viable option if at all?

I like to hear your thoughts and remind you that no man is an island, together we can accomplish our SIG group goals by sharing and hearing each other's concerns and ideas and getting involved.

Lets make working to create better communication and greater collaboration across our wider industry sector a reality, together.

Your Chair, Ela Langford

HOFFE Group Update - Author **Lance Hunt** - HOFFE SIG Group Chair

The Survey

It is with great pleasure and a big thank you to the industry as we have reached our first survey milestone, with over 500 surveys with multiple extinguisher saves recorded.

An excellent effort and a good start to getting HOFFE recognised as a compliance feature, what happens now?

We will continue to survey through the full 12 months so we capture usage data through all seasons. The New Zealand Fire Service Contestable Research Fund will allow us to analysis and present this information, we will keep you informed monthly as to this progress and this will be a discussion point at our annual conference in October.

The Conference

Also at the conference the HOFFE (Lance Hunt) & EVAC (Ela Langford) special interest groups will team up to talk about the

similar challenges we have in our industry groups this will be an opportunity to discuss in an open forum around certification and product registers. Thursday 15th October FPANZ Workshop 1 - Session Two 2:30pm-3:15pm

There will also be a HOFFE meeting held at the venue we will review in more detail our progress in 2015 and where to from here in 2016, look forward to seeing you there. Friday 16th October 7:30am-8:30am.

Halon Programme

HALON, There has been a lot of FPANZ hard work behind the scenes and we are now calling on the industry to identify and educate there customers in the recover and destruction. If you require any information on this process please contact the FPANZ office or visit the website were there is all the information needed to deal with this environmental issue.



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Fire Extinguishers Prove Their Worth

Author - **Arne Inghelbrecht** - Graduate Fire Engineer - NZFS

The NZFS HOFFE project recently hit its August milestone, and some very good news has come out of this. In total 502 surveys were collected at the end of August, achieving the 500 goal. It is amazing to see so much effort and dedication from all involved.

It is important to underline the August milestone is a cut off for the data to be supplied to the Contestable Research Fund (CRF) project. However this is not the end of the survey project. NZFS will keep collecting surveys beyond this point as we want to clearly capture any seasonal variations and further surveys are required to build our case.

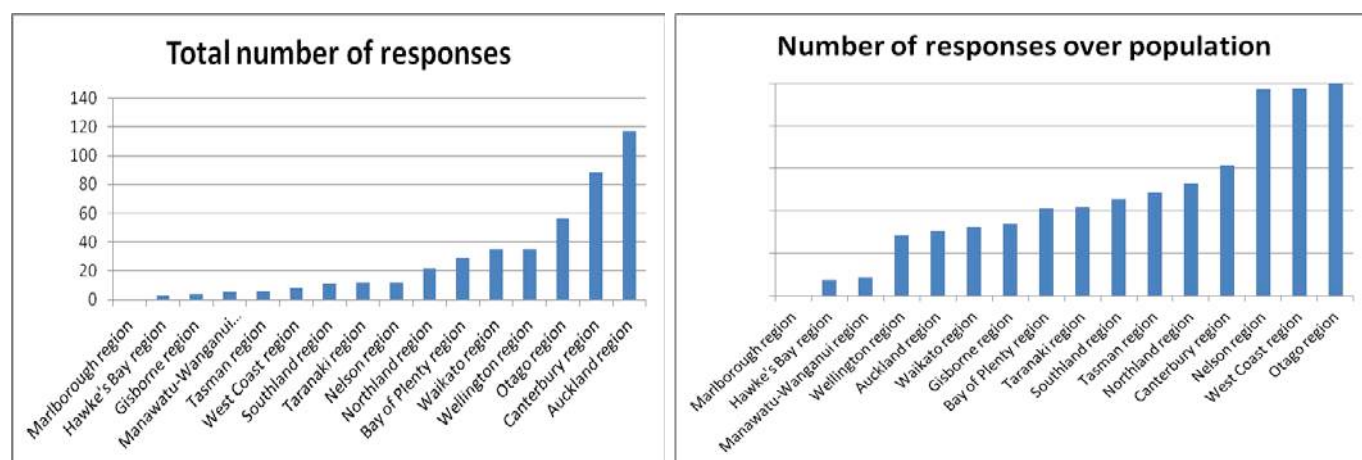
The CRF report is expected to be produced by the end of this year and will make a thorough analysis of extinguisher use within the NZ market, looking at the losses but also the potential cost savings involved.

Two recent fire saves well illustrate the value of fire extinguishers in mitigating loss in both time and property.

The first was a fire on a Loader at a manufacturing plant making packing cases for the horticulture industry. Staff outside on their lunch break noticed smoke coming from the loader they had been using that morning. The fire was found to be caused by an electrical fault. Quick application of two AFFF extinguishers successfully put out the fire and prevented loss of the machine itself. What could have been the total loss of a \$70,000 machine and a significant loss of continuity was instead a relatively simple repair job for an auto electrician.

The second fire was on a hauler in a forest, maintenance involving welding set part of the machine alight. Again quick application of two AFFF extinguishers meant that the fire was successfully contained and put out. Had this fire fully involved the machine, not only would there have been the loss of a \$1,000,000 machine but also the very real risk of the fire spreading to other machines working in the area and to the surrounding forest. Being a remote location also meant that even the fastest Fire Brigade response times would have been challenged underlining the importance of portable fire extinguishers in remote locations.

Figure 1: Survey responses per region, normalised over population



Note that as part of the survey we have received responses from pretty much all regions within the country now. If we divide the number of surveys per region over the total population living in that region it is noticeable that also the bigger centres should keep sending through surveys in order to have a representative image. On the other hand, this also exposes a very good uptake in some of the regions down south.

Great work HOFFE team and please keep up the good work!



CLAIMS

MANAGING YOUR WORKPLACE ACC CLAIMS WHEN THEY HAPPEN



Requests from our clients for assistance with ACC workplace claims has seen Manage Company develop a new on-line toolkit for managing workplace injuries when they happen.

The on-line toolkit which operates under the ManageCLAIMS brand provides tips, templates, guidance, factsheets and the support you need when lodging a claim with ACC. It allows the employer to manage the employee, manage ACC and ultimately manage their ACC levy penalties. It provides the tools, forms and tips on how to control the doctor and speed up the whole process by over 40%.

Martin Wouters (Managing Director and Designer of the Toolkit) says one of the aims for business should be to avoid a medical certificate which says “fully unfit for work” where possible and the toolkit provides a very useful way of managing this process. The key areas of focus are.- Prior to an injury happening, At the time of injury, Communication, Pay and Return to work.

Our job is to keep it up-to-date and compliant and we also provide a support function so employers can ask the curly questions.

The toolkit is available to FPA members at an introductory price of \$249 + GST per year. Please go to www.workrisk.co.nz/claims to sign up using promo code CLAIMS to save yourself \$100! (offer only available until 31st October 2015)




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NZS4512 Legislative Requirements



Author - **Jason Godsmark** - Operations Manager, Aon Inspection Services | Aon Global Risk Solutions

It has recently come to my attention that there appears to be a lack of understanding around some of the additional requirements of NZS4512, Namely Clause 108, Legislative requirements, this states the following:

“Attention is drawn to the need to comply with all relevant legislative requirements including but not limited to:

- (a) Building Act;
- (b) New Zealand Building Code;
- (c) Electricity (Safety) regulations;
- (d) Radio communications regulations;
- (e) Fire Service Act; and
- (f) Fire Safety and Evacuation of buildings regulations.”

The following are a couple of real life examples

Example 1: Building Consent Requirement

A service division of a company took on a job to upgrade the fire alarm system at a major site, a site wide type 2 (enhanced with a few smoke detectors) with four conventional panels was replaced with 2 Analogue addressable Panels including a new sector panel for the Fire Service and LCD repeater at the guard hut. As usual the inspection company was invited in to inspect at the end of the project however during the process when asked to provide the building consent details they were met with the following response:

“No building works was required, building consent not applicable. Changing the system like for like does not require Fire Report also.”

This is 100% incorrect and if the service agent had checked here: <http://www.building.govt.nz/userfiles/file/publications/building/guidance-information/pdf/building-work-consent-not-required-guidance-3rd-edition.pdf> they would have seen that on page 15 under “General repair, maintenance, and replacement “:

1. The repair and maintenance of any component or assembly incorporated in or associated with a building, provided that comparable materials are used.
2. Replacement of any component or assembly incorporated in or associated with a building, provided that:
 - (a) a comparable component or assembly is used; and
 - (b) the replacement is in the same position.
3. However, subclauses (1) and (2) do not include the following building work:
 - (a) complete or substantial replacement of a specified system; or
 - (b) complete or substantial replacement of any component or assembly contributing to the building’s structural behaviour or fire-safety properties; or
 - (c) repair or replacement (other than maintenance) of any component or assembly that has failed to satisfy the provisions of the building code for durability, for example, through a failure to comply with the external moisture requirements of the building code; or
 - (d) sanitary plumbing or drainlaying under the Plumbers, Gasfitters, and Drainlayers Act 2006.

3 (a) is quite clear and very fitting in this case as the existing 4 conventional systems had been replaced completely. This would also apply to a major refit of a sprinkler system.

It is also worth noting the requirements of 3(c), in the case of fire alarm or sprinkler systems this is needed to track if there could be a potential issue affecting the wider community due to either bad design of product or in appropriate use. Eg multiple detectors failing or causing false alarms due to corrosion within 3 years of installation because the wrong detector choice.

Example 2: Hazardous Environments

I am aware of two separate installations of late both with multiple spray booths onsite, both where on the initial inspection they were not covered and at which time the inspector indicated that the installers needed to conduct some research into the requirements as they are Hazardous environments and as such have specialized requirements for fire protection. Upon re Inspection of both sites it was found that conventional non-Intrinsically safe detectors had been installed. Certification was withheld on this basis with the following answer given:

“Who is to make the determination that an area is hazardous? Neither fire report for XXX or the panel beaters references the need for EX or IS devices.”

Again this show a clear lack of understanding of the requirements of not only 4512 but the associated codes.

- Table H1 in the back of NZS4512 specifically notes Paint spray booths as a Hazardous area
- AS/NZS 3000 (the wiring regulations to which fire alarms must adhere) does as well and refers to a specialist code specifically for spray booths AS/NZS4114
- The Signage on the booths indicating no cellphone use, or naked flames was also a bit of a giveaway
- Common sense, a skill that seems to be on the decline, also should indicate that where you have an enclosed space that may be filled with highly volatile vapor there could be a higher risk that requires further investigation.

The fire report will only look at the overall building and its occupants it will not necessarily focus on specific areas of plant. If in doubt check with the fire engineer.

The FPA ran a great course last year on the requirements around installing fire alarm systems in hazardous environments including the need for specialist electrical signoff and a high level of design and paperwork trail that is involved with these. Had the people involved attended this they may have saved themselves a considerable amount of grief.

The above has also left the Inspection Company in a very awkward position regarding their obligations due to “duty of care” as a professional knowing of an issue that could potentially put people’s lives at risk they are obligated to inform the building owner if the installer is unwilling to rectify the situation.

As lawyers and police are apt to tell you ignorance of a law is No Excuse, It is the responsibility of you as the Fire Industry

NZS4512 Legislative Requirements cont.

experts and professionals to be aware of all the requirements of our industry and to ensure that the highest quality of work is provided.

As is usual in this day and age in an effort to put forward the cheapest price possible corners are being cut, this is a dangerous game and can end up costing far more if you need to rectify works or end up in court explaining why the system that you have installed has led to the injury or death of a person or people, we are ALL in the business of LIFE SAFETY and while we must all make money to continue in business this cannot always be the overriding factor in decision making.

Mistakes will happen, people will miss things during the quoting process, unusual situations will arise during the process of an install, sometimes these things will cost money and they cannot simply be ignored because you as contractors have not allowed for them. Once a contract has been accepted it needs to be followed through, if it costs more than what you have allowed it needs to be taken as a learning opportunity and as such you won't make the same mistake twice.

Determination 2015/042 Regarding whether a compliance schedule is required for a substation containing smoke detectors

Source: Ministry of Business, Innovation & Employment

This determination discussed whether a substation is a building for the purposes of the Building Act 2004 (the Act) under section 8, or whether it fell within the exclusion set out in section 9(ac). While the determination reached the conclusion that the substation was not a building, and accordingly a compliance schedule was not required, it went on to provide further guidance relating to defining a specified system.

The determination arose from the proposal to install smoke detectors in the proposed substation that would notify an offsite network control room in the event of a system irregularity or failure. The Building Consent Authority (BCA) held the view that a compliance schedule was required, and the matter to be determined was whether the BCA was correct in requiring a compliance schedule under section 100.

The parties to the determination were the owner of the property, who is a network utility operator and who applied for the determination, and the BCA.

Background

The proposed building consisted of a single storey substation accommodating electrical network transformers and an associated control/switch room. The substation is usually unoccupied except for periodic equipment/systems inspections. The owner proposed to install hard-wired smoke detectors to the equipment monitoring system that would notify an off-site network control room of a systems irregularity or failure. The owner was of the view that the smoke detectors are not part of a specified system as they do not affect the use of the building.

Discussion

The first issue to address was whether the substation was a building under the Act. The substation falls within the definition set out in section 8 as it is a permanent structure for the occupation of electrical equipment. However, as the substation would not be occupied and maintenance of the substation would occur infrequently it was determined that the substation fell within the exclusion set out in section 9(ac) as a structure not intended to be occupied that forms

part of, or is related to, a NUO system. As the substation was not a building there was no requirement to comply with the Building Act.

In order to provide further guidance on specified systems the determination went on to discuss that separately. It was noted that there is a lack of clarity as to what is meant in the definition of a specified system in section 7 'contributes to the property function of the building'. The conclusion reached was that the following factors should be considered on a case-by-case basis when determining whether a system contributes to the 'proper functioning of the building':

- the requirements of the Act and in particular the functional requirements of the relevant Building Code Clauses; and
- the objectives of the relevant Building Code Clauses; and
- the classified use and importance level of the building.

It is cautioned that the definition for 'proper functioning of the building' is not a test against the requirements of the Building Code as buildings are only required to comply with the Building Code to the extent required by the Act.

The determination analysed two hypothetical case studies using the above factors for guidance. The first where a smoke detector is hard wired to plant and machinery for monitoring purposes in an unoccupied building. The case study determined in this situation the smoke detector did not contribute to the proper functioning of the building and was therefore not a specified system. The second case study involved smoke detectors in an occupied building provided warning onsite either directly or through third party notification. It was considered in this case the smoke detectors did contribute to the proper functioning of the building by providing effective means of giving warning of fire injury or illness due to lack of awareness of an emergency.

The Decision

It was determined the BCA was incorrect to require a compliance schedule for the substation as it is not a building for the purposes of the Act.

Reaching the Tipping Point – Positive Changes Necessary to Restore Confidence



Author - **Scott Williams**, Chief Executive Officer, Fire Protection Association Australia

In *The Prince* Machiavelli wrote:

“There is nothing more difficult to take in hand, more perilous to conduct, or more uncertain in its success, than to take the lead in the introduction of a new order of things”.

Never has this been truer than in the current Australian fire protection landscape at the moment. And yet, despite the challenges and the detractors, our industry now stands poised at the tipping point of some of the most significant change in our history. The core driver of these changes is an acknowledgement at all levels of community and government that in a modern, innovative and developed nation, matters of fire safety must not be left to chance.

It has become clear in recent times and due to several high profile events, that community expectations about fire safety are not necessarily matched by the existing regulatory frameworks and industry self-regulation.

There is, for example, a community expectation that individuals who conduct work on lifesaving fire protection systems and equipment will be trained and competent. Unfortunately in Australia this is often not the case. Additionally, as a community we have an expectation that buildings will be constructed and approved to appropriate minimum levels of fire safety in accordance with relevant legislation. Again, recent events indicate that reality falls well short of expectation in this regard.

As the depth of the void between the current state of the industry and community expectations have become clearer, Fire Protection Association Australia has sought to take our members and our industry forward to restore confidence and to shape our own destiny, before a major fire event leads to regulation being forced upon us that might not be ideally suitable.

At its most basic level, this vision for a future safe from fire is made up of two critical components: competent personnel (fit-for-action) and products (fit-for-purpose).

People:

For well over a decade, Association members, regulators and the community have been calling for professional recognition / accreditation for the fire protection industry. This is because, despite the potential impact on life safety when things go wrong, the majority of fire protection activities in Australia are unlicensed. In 2013, without government funding or any other external support, and with reluctance from some corners of the industry FPA Australia launched the Fire Protection Accreditation Scheme (FPAS).

The scheme, which was introduced with the ‘Inspect & Test Category of work and now also covers Fire Systems Design and Fire Systems Certification, represents a first. The scheme is costly and resource intensive and we have had to be brave enough to invest in it, knowing that professional recognition is the only way forward for our industry. We now have almost 1000 accredited individuals and, more than ever, we are

certain that the success of FPAS is fundamentally linked with the success of our industry.

Products:

It may seem remarkable that the issue of non-conforming products and fire safety has become such a hot topic in mainstream media in recent times, but this level of public interest is a direct reflection of the growing public unease with the performance of Australian building and construction generally.

Incidents such as the Australian Competition & Consumer Commission recall of Infinity Electrical Cable, which can become a fire hazard in as little as two years and was installed in up to 40,000 homes Australia wide, have eroded confidence in the power of existing regulatory regimes to ensure compliance. Add to this the significant fire at the Lacrosse apartment in Melbourne’s docklands precinct, which was fueled by highly flammable non-compliant cladding installed on the exterior of the building, and it is understandable that the public and the media, have realised that something is wrong.

This publicity combined with strong advocacy undertaken by FPA Australia and other industry groups has recently yielded a significant breakthrough with a meeting of federal and state building ministers agreeing to a plan of action on non-conforming products. At the same time, an enquiry by the federal Senate has been launched into non-compliant building products.

Our 2020 Vision:

Despite the immense challenges of driving positive change, it is clear that change has arrived and more is needed. We have reached the necessary tipping point and as an Association we have a clear strategy for the future.

By January 1 2020, our vision is that all FPA Australia members who conduct work in a category where FPAS exists will employ accredited staff and will be recognised as a professional company committed to training and continuing professional development. At the same time, by 2020 our goal is to see all products that present a risk to life safety due to fire undergo appropriate testing and certification, and then be listed on a comprehensive listing scheme.

We have less than five years to achieve our goal, but I am optimistic about the future. Through high-profile incidents, the community has demanded that we raise the bar for what is an acceptable level of fire risk posed by people and products in the fire protection industry. We are committed to meeting and exceeding their expectations, despite the challenges.

We must do this, in order to restore trust and to ensure the future of our industry. But most importantly, we must do it to achieve the overall vision of our Association – To lead and support a professional industry to minimise the impact of fire on life, property and the environment, for a safer community.

Building Product Approval and Compliance - Get Ready For Positive Changes



Authors - **Joseph Keller** - Communications Manager - FPA Australia
and **Matthew Wright**, Chief Technical Officer and Deputy CEO, FPA Australia

In recent times Fire Protection Association Australia (FPA Australia) has advocated strongly for changes to building product compliance in Australia.

High profile incidents such as the Australian Competition & Consumer Commission recall of Infinity Electrical Cable, which can become a fire hazard in as little as two years and was installed in up to 40,000 homes Australia wide, have eroded confidence in the power of existing regulatory regimes to ensure compliance. This incident combined with the significant fire at the Lacrosse apartment in Melbourne's docklands precinct, which was fueled by highly flammable cladding installed on the exterior of the building, have led to a major public outcry.

This public awareness has in turn led to two significant government initiatives: A federal senate inquiry into non-conforming building products and an investigation into a risk-based product compliance scheme, agreed to at a joint meeting of state and territory building ministers.

FPA Australia has displayed significant leadership in both of these political arenas in order to drive positive community outcomes.

Senate Inquiry - Non Conforming Building Products

FPA Australia has lodged a strong submission to the Senate inquiry outlining that the issue of non-conforming building products is having a considerable impact on the Australian marketplace.

The submission outlines that non-conforming products are producing five key consequences:

1. Reducing the level of community safety expected to be delivered by products required to operate reliably as individual products and/or as part of holistic safety systems.
2. Preventing an even playing field and reducing incentives for responsible corporate organisations to continue to fund research and appropriate product approvals.
3. Increasing costs associated with repair and rectification work when non-conforming products are identified and required to be replaced.
4. Reducing the quality of Australian buildings.
5. Creating uncertainty and reducing confidence in each aspect of the building supply chain.

There is a need for trade flexibility across local and imported products and this is mandated by the World Trade Organisation agreement for Reducing Technical Barriers to Trade, which Australia is a signatory to. However regardless of where a product is manufactured, FPA Australia believes Australia must re-establish clear standards of product performance. This is especially important for products that are required

to be installed or incorporated in buildings to achieve safety outcomes.

The lack of clear expectations and education regarding appropriate product selection and use creates a potential increase of litigation of builders, building surveyors, designers and the like by building owners (or contractors) who pay for what they believe is a conforming product, yet obtain non-conforming products. This is not merely speculation. Such a situation is currently occurring as the Lacrosse apartment fire saga drags on, with the builder and building surveyor being investigated by the regulator and owners pursuing a class action lawsuit.

The Australian Industry Group (AIG) has conducted extensive research into the economic impact of non-conforming product. The AIG document "The quest for a level playing field, the non-conforming building product dilemma, 2013" states that "evidence suggests that the market penetration of non-conforming products in several key construction product sectors in Australia may be up to 50%, this is a sobering and alarming statistic."

Non-conforming products are generally cheaper than conforming products as they haven't been tested and certified as being conforming to Australian legislation or Standards and don't necessarily include the more expensive materials and components required to perform reliably to the expected fit-for-purpose performance standard.

Cost impacts from non-conforming building products are generally passed on directly or indirectly to owners and occupiers of buildings. An owner or occupier may have to vacate a building for the period of time it takes to rectify the issue created by the non-conforming building product. Rectification can often take months or even years. If a non-conforming product is found in a building, it is often a lengthy and costly process to determine the party responsible and have it rectified. These are costs the Association believes can be avoided and our risk-based approach to product compliance outlined below goes some way to addressing this.

Building Ministers Forum and a risk-based approach to product compliance

In June 2015 FPA Australia wrote to all State and Territory Building Ministers and the Federal Minister for Industry asking them to acknowledge the issue of product compliance and presenting a conceptual framework for the risk categorisation of products and the associated rigour of assessment required to demonstrate they are fit for purpose.

This proved to be a highly worthwhile exercise, with the merits of such a risk-based approach receiving support at the Building Ministers Forum held in late July. The Forum agreed that the federal government will now investigate options for a possible mandatory scheme for high risk building products with life safety implications.

Building Product Approval and Compliance - Get Ready For Positive Changes cont.

FPA Australia CEO Scott Williams said it was a fantastic outcome but significant work remained.

"This announcement demonstrates that the Building Ministers have listened to the industry and the community and acknowledged the extent of the issue," he said.

"The future establishment of a national register of 'fit-for-purpose' products which are high risk will restore confidence and certainty to the building industry and the community."

"The ABCB will report on the progress of the mandatory scheme for high risk products in six months and we will be supporting the ABCB and working with all stakeholders to ensure that any scheme is sound, robust and rigorous."

In order to understand what is meant by a 'risk-based' approach, it is necessary to examine the current provisions that exist regarding product compliance in the Building Code of Australia (BCA).

Clause A2.2 "Evidence of Suitability" of Volume One of the BCA (replicated by clause 1.2.2 of Volume Two of the BCA) establishes options for manufacturers or suppliers of products to provide different forms of documentary evidence to support a claim that a material, form of construction or design is suitable and fit for purpose.

There is no hierarchy associated with these options. The BCA provides options for different types of evidence that are considered to be acceptable, therefore providing flexibility to product suppliers as to which option they choose to satisfy. The extent to which the documentary evidence of suitability complies with one of these options is ultimately at the discretion of the Authority Having Jurisdiction (AHJ) to accept. Predominately the AHJ is a Building Surveyor (Private or Municipal).

These current requirements represent dramatically different approaches in product assessment rigour to demonstrate fit-for-purpose performance standards are achieved. Accordingly FPA Australia has advocated for change of these requirements based on risk assessment of products. Evidence and identification of non-conformance generally occurs after installation and predominately after a life or health safety incident. For example: the most critical time a fire safety product is required to conform and be suitable is during a fire incident. This is not the time to identify it as being non-conforming and unsuitable.

FPA Australia believes that improvements to the existing regulatory product compliance framework can be made, utilising existing testing and accreditation bodies. While it is always preferred to promote and provide positive outcomes for those companies involved in the manufacture, supply, install and approval process there is also the necessity for a deterrent for those who do not comply with a legislated system or process.

At some stage—or stages—during of the manufacture, supply, installation and approval process there needs to be a deterrent that includes significant financial penalties and a willingness to prosecute, where necessary. Without a deterrent there is little reason to provide a complying building product if there are cheaper alternatives. Failure of a regulator to carry out

surveillance and enforce against companies or individuals would result in non-conforming products and practices entering the market.

FPA Australia's proposed solution to address building product non-conformity issues is aligned to the current system and 'Watermark' scheme required by the Plumbing Code of Australia for plumbing products. As such, this proposal is not an entirely new concept. It is enhancing and modifying an existing system to make it suitable for all other building products. It is a system that utilises a risk-based criteria methodology to categorise a building product and thereby apply the appropriate rigour of assessment to address the risk.

It should not be left entirely to the federal government to implement and administer such a new system. Implementation and administration of any such new system should be developed and supported via a partnership between the Federal, State, Territory Governments and the relevant & respective industry bodies.


The procedure would utilise a prescribed risk criteria to categorise the appropriate 'Risk Category' should failure of a product or system result in adverse risk to life safety, health, economic loss and the environment. There would be three risk categories: High, Medium and Low. In addition, a listing of compliant high risk products would need to be accessible.

Product Compliance - The Way Forward

In summary, In order to limit the impact of non-conforming building products to the Australian building industry and consumer, FPA Australia believes that there are a few key factors that need to be accepted and implemented as follows:

1. Recognition and acceptance that Australia has a building product non-conformance problem.
2. Creation of a building product conformance taskforce to develop a National Building Product Compliance System framework and accompanying Regulatory Impact Statement. (This is now underway as a result of the Building Minister's Forum)
3. Modification of legislation where deemed to be ineffective, misunderstood, conflicting or a risk to the Australian people.

As an Association we believe we are closer than ever before to achieving these objectives and helping to restore confidence in the suitability of products in the Australian building and construction marketplace. These are important steps towards achieving our vision of minimising the risk and impact of fire.

Note – This article contains extracts from the FPA Australia submission to the senate inquiry into non-conforming building products. To learn more about the inquiry and to read the Association's full submission you can visit the inquiry website here: http://www.aph.gov.au/Parliamentary_Business/Committees/Senate/Economics/Non-conforming_products 

fire NZ

2015

CONFERENCE & EXHIBITION



TRANSFORMING THE FIRE TRIANGLE



15 – 16 OCTOBER 2015
TSB ARENA | 4 QUEENS WHARF | WELLINGTON

THE FORUM OF FIRE PROTECTION, FIRE SAFETY AND FIRE ENGINEERING PROFESSIONALS

PROGRAMME

THURSDAY 15TH OCTOBER 2015

PUBLIC DEMONSTRATIONS IN FRONT OF TSB ARENA

Demonstration One	Demonstration Two	Demonstration Three
7.30am - 8.00am	REGISTRATION: All Delegates	
8.15am - 8.30am	Opening Address	
8.30am - 9.15am	Keynote Speaker - NFPA	
9.15am - 10.00am	Speaker: IFE John Buckheit - High Rise Buildings	
10.00am - 10.45am	<i>Morning Tea - Exhibitors Area</i>	
10.45am - 11.15am	Speaker: SFPE Martin Feeney Holmes Fire - ASB North Wharf - A case study for innovation and change during the design and construction process	
11.15am - 11.45am	Speaker: IFE Steve Hamm - Business Community Resilience	
11.45am - 12.30pm	Speaker: SFPE David Youssef - Docklands High-rise Apartment Fire - Managing Community Consequence Case Study	
12.30pm - 1.30pm	<i>Lunch - Exhibitors Area</i>	

1.30pm - 3.15pm WORKSHOP SESSIONS

	Workshop 1 - FPANZ	Workshop 2 - IFE	Workshop 3 - SFPE	Workshop 4 - FPANZ/Design
1.30pm - 2.30pm Session One	Matthew Wright <i>Product Compliance the Australian Model</i>	Steve Hamm <i>London Olympics</i>	<i>Driving creativity in the film or advertising industry.</i>	David Molnar - Victaulic <i>Revit pipe routing, BIM best practices and coordination</i>
2.30pm - 3.15pm Session Two	Lance Hunt <i>Portable Fire Equipment Certification/Product Listing</i> Ela Langford <i>Evacuation of Buildings and a Code of Practice</i>	Alan Kerr <i>Rio Olympics</i>	<i>Driving creativity in the highly regulated Aviation Industry.</i>	David Molnar - Victaulic

3.15pm - 3.45pm	<i>Afternoon Tea - Exhibitors Area</i>
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3.45pm - 5.15pm WORKSHOP SESSIONS

	Workshop 1 - FPANZ	Workshop 2 - IFE	Workshop 3 - SFPE	Workshop 4 - FPANZ/Design
3:45pm- 4:30pm Session Three	Competenz <i>Training in the Industry the Future of Qualifications</i>	<i>Couch Session with</i> John Buckheit, David Youssef and Daryn Glasgow - Q&A	<i>Fire Engineering Case Study</i>	David Molnar - Victaulic
4:30pm-5:15pm Session Four	Aaron Grey <i>A Software approach to passive system information</i>	<i>Couch Session with</i> John Buckheit, David Youssef and Daryn Glasgow - Q&A	<i>Presentation of Ideas to regulators and obtain feedback</i>	David Molnar - Victaulic

5.15pm - 6.15pm	AGM - IFE and SFPE
	SIG Group Meetings - EVAC, PASSIVE and INSPECTORATE
	Drinks and Canapés - Exhibition Area
6.15pm - 10.30pm	<i>Gala Dinner and Event - TSB Arena</i>



AON FIRE NZ CONFERENCE DINNER

The Fire NZ Conference Dinner is sponsored by AON and will be held on Thursday 15th October. This year's Conference Dinner will begin at 6:15pm followed by some entertainment which will involve it being themed around the Rugby World Cup, we will have each table allocated with a Country and battle it out with interesting games and activities to see who will be crowned the champion, with prizes to be won. Since interest in attending this event is high, we urge you to make your reservation as soon as possible. Please complete and return the registration form to: amelia@fireprotection.org.nz

FRIDAY 16TH OCTOBER 2015

PUBLIC DEMONSTRATIONS IN FRONT OF TSB ARENA

Demonstration One	Demonstration Two	Demonstration Three
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7.30am - 8.30am	Delegates Breakfast/HOFFE Meeting	
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OPTION 1: SITE VISITS		
Busses depart 8.30am - Return to TSB 12.00pm	#1 BRANZ - Refer to page 10	#2 Pertronic and Fraser Engineering - Refer to page 10

OPTION 2: SPEAKERS	
8:30am - 9:10am	Speaker: SFPE Ben Hume and Kevin Weller - <i>FDS and Sprinklers</i>
9:10am - 9:40am	Speaker: FPANZ Satya Nand - <i>COTEC Innovative Solutions Designed into new generation of Passive Fire Protection Coatings.</i>
9:40am - 10:00am	Platinum Speaker: Hans Gerlich - <i>Post-Fire Stability</i>
10:00am - 10:45am	<i>Morning Tea - Exhibitors Area</i>
10:45am - 11:15am	Speaker: FPANZ David Molnar - <i>Victaulic BIM requirements become the norm, what does that mean for industry?</i>
11:15am - 12:00pm	Speaker: Eddie Tieppo - <i>Xtralis - Innovation and Early Warning Detection.</i>
12:00pm - 12:30pm	Speaker: FPANZ Dr Geoff Thomas - <i>Sustainable Building Features and Fire Safety.</i>

12.30pm - 1.30pm	<i>Lunch - Exhibitors Area</i>
1:30pm - 2:00pm	Speaker: FPANZ Peter Whiting BRANZ - <i>Fire Compliance Testing for interior surface finishes.</i>
2:00pm - 2:30pm	Platinum Speaker: David Percy Pertronic
2:30pm - 3:00pm	Speaker: FPANZ Michael Belsham MBIE
3:00pm - 3:30pm	<i>Afternoon Tea - Exhibitors Area</i>
3:30pm - 4:00pm	Speaker: SFPE Mohd Zahir - <i>Carpark Fires</i>
4:00pm - 4:30pm	Speaker: SFPE Geoff Merryweather - <i>Bomb in the Basement -risk assessment of basement plant rooms</i>
4:30pm - 5:00pm	<i>Wrap up of the Conference</i>



Company:	No. of Attendees:
Attendee 1: <i>Mr/Mrs/Ms/Miss</i> First Name(s) _____ Last Name _____	
Attendee 2: <i>Mr/Mrs/Ms/Miss</i> First Name(s) _____ Last Name _____	
Attendee 3: <i>Mr/Mrs/Ms/Miss</i> First Name(s) _____ Last Name _____	
Attendee 4: <i>Mr/Mrs/Ms/Miss</i> First Name(s) _____ Last Name _____	
Attendee 5: <i>Mr/Mrs/Ms/Miss</i> First Name(s) _____ Last Name _____	
Postal Address: _____	
Postcode _____	
Contact Name: _____	Membership discounts apply to conference registrations only: FPANZ <input type="checkbox"/> Platinum Members 25% <input type="checkbox"/> IFE Members 5% <input type="checkbox"/> Gold Members..... 20% <input type="checkbox"/> SFPE Members ... 5% <input type="checkbox"/> Silver Members 15% <input type="checkbox"/> Bronze Members 10% <i>Note: The member price applies to FPANZ, IFE and SFPE USA members only.</i> <input type="checkbox"/> Individual Member 10%
Phone: () _____	
Email: _____	
Order Number (if applicable) _____	
Date: / / _____	

Registration Fee <small>excl. GST</small>	FPANZ, IFE, SFPE member base price <small>excl. GST</small>	Non Member <small>excl. GST</small>
Full Registration: <i>includes attendance and catering for the full 2 days including conference dinner, workshops, site visit and delegate satchel.</i>	<input type="checkbox"/> \$860	<input type="checkbox"/> \$1060
2 Day Registration: <i>includes attendance and catering for the full 2 days, workshops, site visit and delegate satchel.</i>	<input type="checkbox"/> \$725	<input type="checkbox"/> \$940
One Day Registration: <i>includes attendance workshop or site visit and catering, for the full 1 day (excludes conference dinner and delegate satchel).</i>		
Thursday 15 October 2015	<input type="checkbox"/> \$390	<input type="checkbox"/> \$530
Friday 16 October 2015	<input type="checkbox"/> \$390	<input type="checkbox"/> \$530

Cancellation Policy:

All cancellations must be made in writing to FPANZ. A cancellation fee of 25% will be charged for cancellations until 14 days prior to the event. No refund will be offered for cancellations 14 days prior to the conference. A substitute may attend in place of a registered delegate.

Payment: A tax invoice will be provided on receipt of the registration form. Delegates can also choose to pay by credit card, using either Visa or Mastercard. A 2% surcharge applies to all credit card transactions.

Send Completed Registration form to:

Conference Organiser
Fire Protection Association NZ
Private Box 302-372
North Harbour, Auckland 0751

Ph: (09) 414-4450, Fax: (09) 414-5707
Email: fpanz@fireprotection.org.nz

Please note: Registrations must be received no later than Friday 2nd October 2015

Day 1 afternoon attendance options 1:30pm - 5pm tick attendee preferences

Workshop FPA #1 <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	
Workshop IFE <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	
Workshop SFPE <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	
Workshop FPA #2 <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	

Day 2 morning options 8am - 12pm tick attendee preferences

Site Visit Branz	<input type="checkbox"/> Tick to attend	no. attending	
Site Visit Pertronic & Fraser Engineering	<input type="checkbox"/> Tick to attend	no. attending	
FIRENZ Conference Breakfast <i>15th October, 6.45am – 8am.</i>	<input type="checkbox"/> Tick to attend	no. attending	

Conference Dinner *(No Membership discount applies to dinner tickets)*

No. of Tickets Ticket Per Head \$156 Corporate Table of 8 \$1250

TOTAL excl. GST \$



Burns Support Charitable Trust

In support of this organisation, each registration will automatically donate \$5 to the Burns Support Charitable Trust.

Credit Card: Mastercard Visa

Card Number:

Cardholder Name: _____

Expiry Date: ____/____

Card security code (CSC):
(3-digit number on back of card)

Cardholder's Signature: _____



Wellington Free Ambulance in support of this organisation a donation will be made.

SPONSORSHIP OPPORTUNITIES STILL AVAILABLE

Sponsorship is an excellent means to promote your company and/or brand to the decision makers within your industry.

FireNZ have developed a series of sponsorship opportunities offering different ways in which you can increase awareness of your company to each delegate.

Should you wish to have a sponsorship package, please complete the exhibitor application form.

We are happy to discuss variations to the sponsorship packages below, or new sponsorship ideas/proposals.

Please contact the FPAZ on (09) 414 4450 or email fpaz@fireprotection.org.nz

PLATINUM SPONSOR \$16,000 +GST

Package Includes:

- 2 x Premium Stands
- 4 x 2-day conference passes
- 1 x Corporate Gala Dinner Table
- 30 minute speaking slot at the conference
- Printing and logos to be displayed at the conference, printed on the conference registration brochure and displayed on the website
- Full page advertisement in the September issue of FireNZ Magazine
- 1x10 minute networking speaking slot at the conference for a advertorial presentation to promote your business interest or a Fire related issue

GOLD SPONSOR \$12,500 +GST

Package Includes:

- 2 x Premium Stands
- 2 x Full conference passes
- Half page advert in the September issue of FireNZ Magazine
- 1x10 minute networking speaking slot at the conference for a advertorial presentation to promote your business interest or a Fire related issue
- Company logo printed in conference registration brochure and displayed on the website and promotional banners

SILVER SPONSOR \$6,000 +GST

Package Includes:

- 1 x Exhibition Stand
- 1 x Full conference pass
- Company logo printed in conference registration brochure and displayed on the website and promotional banners

BRONZE SPONSOR \$3,000 +GST

Package Includes:

- 2 x Full conference Passes
- Logos printed on all advertising materials
- 1/8 Page of advertising in the September issue of FireNZ magazine

CONFERENCE BAG SPONSORSHIP
\$9,000 +GST

Package Includes:

- Bag
- Logo printed on delegate bags
- 2 x full conference passes

FireNZ CAFETERIA
\$8,000 +GST

Package Includes:

- Café & Seating
- 2 x full conference passes
- Printed logos and on all advertising materials
- Full signage naming rights

AVAILABLE

USB SPONSORSHIP
\$7,000 +GST

Package Includes:

- USB Drives
- 2x Dinner Tickets
- Printed logos on conference USB drives and on all advertising materials

GALA DINNER EVENT SPONSORSHIP
\$5,000 +GST

Package Includes:

- Dinner table for 8
- Printed logos and on all advertising materials
- 1x Printed banner at the Dinner

ID LANYARD SPONSORSHIP
\$4,500 +GST

Package Includes:

- 500 Lanyards
- 2x Dinner Tickets
- Printed logos on all lanyards and on all advertising materials

AVAILABLE

PRESIDENTS DINNER SPONSORSHIP
\$4,000 +GST

Package Includes:

- 2x Dinner Tickets
- Printed logos and on all advertising materials
- 1x Printed banner at the Dinner

CONTRACTORS BREAKFAST
\$3,500 +GST

Package Includes:

- Naming rights
- Printed logos on all advertising materials

AVAILABLE

GIFT SPONSORSHIP
\$3,000 +GST

Package Includes:

- 2x Dinner Tickets
- Printed logos and on all gifts

Calling all Halon Fire Extinguisher Owners



FPANZ is promoting awareness around Halon fire extinguishers and wants to recover these from the commercial sector and from private owners.

Halon has fallen out of favour due to its environmental impact and long atmospheric life time. It is considered to be a potent greenhouse gas and contributes to ozone depletion. However, safety is the main issue as servicing of Halon extinguishers has not been available since 1998 when the production of Halon was banned under the Montreal Protocol.

Over the previous ten years, more than 60 tonne of Halon has been recovered by FPANZ members and this was sent for safe destruction. It is estimated that a further five to ten tonne is still in use. This needs to be recovered now as any unit still in use will be well over ten years old and will not have been serviced.

“Fire extinguishers, just like smoke detectors, need to be checked by a certified agent annually” says Blind

“We do have fears that Halon extinguishers, due to this lack of servicing, may fail to operate correctly in the event of a fire. We are prompting all members of the public to check their boats, cars, workshops, caravans and planes to see if they still have a yellow Halon extinguisher and to exchange this for a unit coloured red”.

“There will be a cost to change, however both the public and the environment will benefit as we can be sure new systems will operate correctly in event of a fire and the impact on the ozone layer will also be reduced” says Blind.

There are now many suitable and cleaner alternatives available and FPANZ members located nationwide will accept Halon units and provide information on the safer alternatives available. Halon extinguishers are easy to identify as they are bright yellow. Replacement units will be coloured red.

“We look forward to gathering as many of the remaining Halon systems and hand held fire extinguishers here in New Zealand and to have the contents safely destroyed” says Blind.

“We will also have greater confidence that owners will be protected in the event of a fire and this will ultimately protect lives”.

Our message is: **“Be Safe Yellow is Out – Red is In!”**

For further information check the FPANZ website for a certified agent near you:

<http://www.fireprotection.org.nz/>



Yellow extinguishers, Halon extinguishers, are so old – if you have one, the chances are they will let you or your family down in a fire.

Halon damages the ozone layer which in turn can affect our health, causing skin cancer, cataracts and other illness as well. Damaging the ozone layer can also impact on our weather, our soil and our crops.

Protect yourself, your family or business, by handing in your old yellow extinguisher. It's easy to do – simply take it to the nearest local approved Fire Extinguisher Service Agent. A list can be found at www.fireprotection.org.nz



YELLOW IS OUT
RED IS IN

While there, talk to these experts about your needs and how best to protect against fire, including alternatives such as a red fire extinguisher*, a fire blanket, a smoke alarm, and other effective choices. Often a combination is the best approach.

So act now and hand in your old yellow extinguisher. It's a service for the general public and small businesses. A small recovery charge will be set at \$10 per kilogram (up to a maximum extinguisher weight of 2.1 kg in size). A Halon extinguisher larger than 2.1kg is considered a commercial size and will be disposed of at a quoted rate.

**There is more than one type of red fire extinguisher on the market. Ask which one best suits your needs.*

For more information

call FPANZ on 09 414 4450 or visit us at www.fireprotection.org.nz

FPA
NEW ZEALAND

Update on Using FPANZ Logos

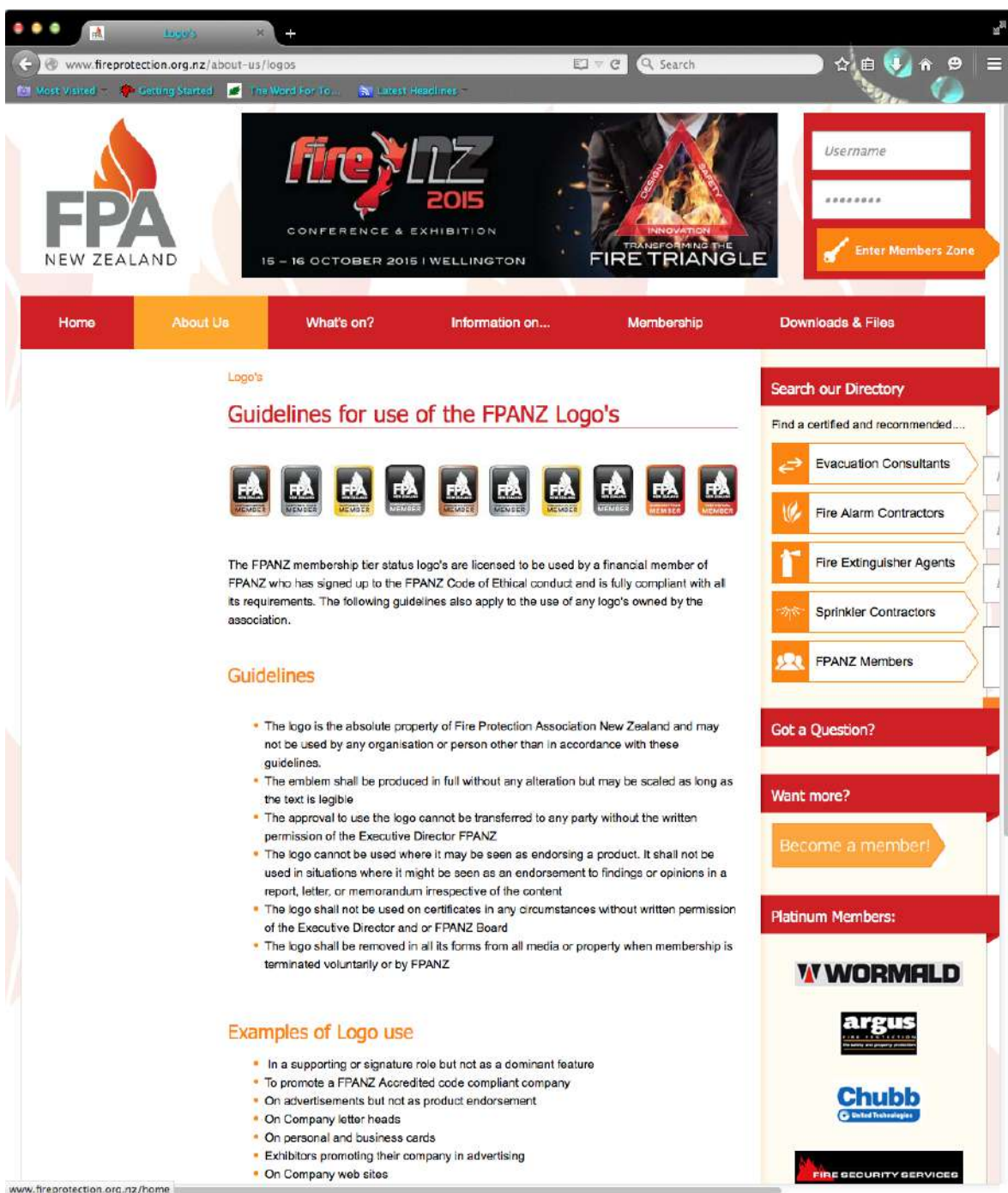
Just a timely reminder to all of our members about the correct usage guidelines for all FPANZ logo's. It has been brought to our attention there are a number of members not complying with these guidelines and the unauthorised usage of the new FPA logo. Over the next few weeks we will be formally following up with these members to ensure compliance with the FPANZ Guidelines for logo usage.

In summary no entity is permitted to use the main trademarked FPANZ logo without written permission of the Executive Director. Members are permitted to use the appropriate tier

status logo and this can be supplied in print quality format for use on websites, stationary and the like. If you are currently using the FPA logo on your website / stationary etc. this needs to be removed and replaced with your tier status logo please contact one of the team if you need an electronic copy of your tier logo.

For full details of the guidelines for logo usage please visit the following link.

<http://www.fireprotection.org.nz/about-us/logos>  **CLICK TO OPEN LINK**



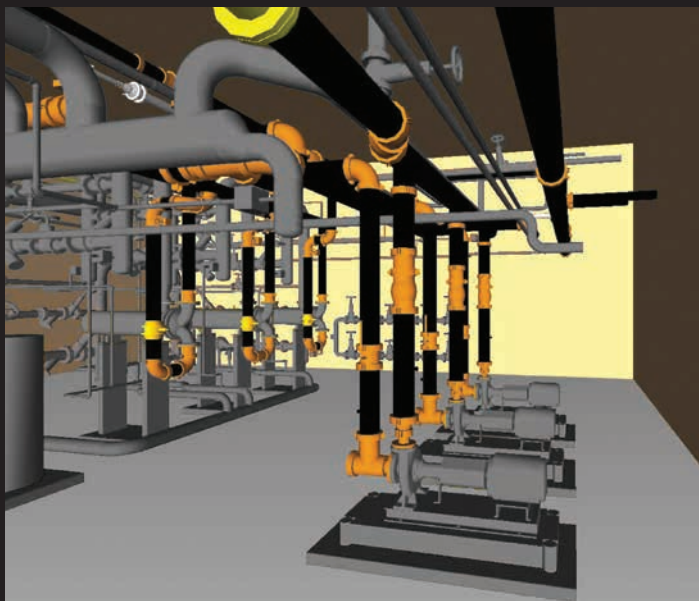


Boost Your BIM

Tips and Tricks for Pipe Routing in Revit®

- Enable work sharing and create worksets
- Create schedules within Revit
- Work with Victaulic templates
- Learn to use the time-saving features of the Victaulic Tools for Revit Toolbar
- Earn 4 hours towards CPD Points*
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[click here for the full agenda](#)



Co-Sponsored by



Registration Fee: NZ\$140.00

Registration Includes:

- Training course
- Tea and lunch
- Free CAD packages
- 20% discount on the Victaulic Toolbar for Revit®



About the Speaker

Dave Molnar

Piping Project Coordinator



Dave Molnar coordinates fire protection and mechanical piping systems in accordance with design documents for pre-fabrication and construction shop drawing submissions.

His area of expertise lies in Revit® software and AutoCAD, and he provides BIM and modeling training in Revit to fire protection and mechanical piping system designers across the industry.


With over 20 years' experience in the construction design and drafting industry, Dave has held project management and senior BIM project coordinator positions with consulting engineering firms and mechanical contractors before joining Victaulic.

Dave is a member of the NFPA and is a certified designer under NFPA13 - Installation of Sprinkler Systems.

AUCKLAND

Tuesday, 13 October 2015
 Ellerslie Event Centre
 - Pakuranga Hunt Room
 80 Ascot Ave, Remuera
 Session 1: 7:30-12:00
 Session 2: 12:30-17:00

WELLINGTON

Thursday, 15 October 2015
 FIRE NZ Conference
 Workshop Session, 
 Shed 6, Room 3
 1 Session only: 13:30-17:15

CHRISTCHURCH

Monday, 19 October 2015
 Rydges Hotel - Savoy Room 4
 30 Latimer Square
 Session 1: 7:30-12:00
 Session 2: 12:30-17:00

Fire Research & Investigation Unit

Heads Up



BACKGROUND

On the 24th of September 2014 a fire occurred on the second floor of a five storey administration building which forms part of a hospital. The building was fitted with a Type 7 automatic sprinkler system with smoke detection and manual call points.

The sprinkler service agent was conducting works on the sprinkler system at the time of the incident. To allow these works to be conducted the agent isolated the sprinkler system of the entire building for the duration of the works. Moreover to prevent false alarms and brigade callouts, the sprinkler service agent also isolated the fire alarm system of the entire building.



Figure 1: Room of origin of fire

The service agent indicated that previous experience had shown that the fire safety systems were incorrectly setup at the site, so that activation of a sprinkler flow switch would immediately cause a brigade call out through the Fire Alarm Panel (FAP), even if the direct connection of the sprinkler system to the monitoring centre was isolated. This issue was thought to date to the original commissioning of the fire safety systems within the building. To bypass this issue it became common practice to deactivate all fire safety systems whenever sprinkler works were conducted within the building.

INCIDENT DETAILS

The fire was caused by a faulty light fitting and discovered by staff. Subsequent attempts by several of the staff to alert Fire Service and building occupants to the fire were severely hindered by the failure of the manual call points and emergency telephones as these were all deactivated because of the works.

Serious consequences were avoided thanks to the actions of the deputy fire warden, who was able to initiate the evacuation of the building occupants and the Fire Service was eventually notified by mobile phone.

The isolation of the fire detection systems also directly compromised the passive fire protection of the building. As the fire alarm did not activate, hold-open devices did not release the fire and smoke doors, allowing smoke and heat to travel freely within the building.

The fire was extinguished when the attending Fire Service crews requested the reinstatement of the sprinkler system, but only after significant damage had already occurred in the room where the fire started. The rest of the floor suffered extensive smoke damage.

Figure 2: Showing extensive smoke damage throughout building



LESSONS LEARNED/RECOMMENDATIONS

1. Local isolation

Where possible, local isolation is preferable to a complete decommission of the system. This guarantees that the rest of the building, unaffected by the works carried out, remains fully protected. It's particularly important in the case of a building that remains occupied during the works.

The system isolation must be carried out in line with the recommendations of the standards for fire alarms (NZS4512) and sprinkler systems (NZS4541). Following these standards would have resulted in appropriate notifications, limited isolation of part rather than the whole system and the implementation of mitigating measures for the duration of isolation.

2. Agent contact

The incident highlighted the effectiveness of the sprinkler system as, once recommissioned, it was sufficient to quickly extinguish the fire. Therefore, even in the event of an isolation, the ability to quickly re-instate the fire safety systems is critical.

On arrival, the first attending fire appliance would typically respond to the location of the fire alarm panel in order to gather information about the incident. Consequently, the fire safety systems contractor should:

- leave clearly visible signs stating that parts of the systems have been isolated or decommissioned;
- and
- provide contact details so that they can be easily contacted by responding fire crews.

3. Incorrect fire safety system setups

The specific fire safety system setup within this building was found to be deficient and directly led to the decision to isolate the whole system. However, by making system isolation common practice, rather than fixing the issue, the building occupants were exposed to great risk. Any issues around faulty setups should be clearly highlighted and addressed accordingly by reprogramming the system instead of adopting an alternative work practice which may lead to increased occupant risk.

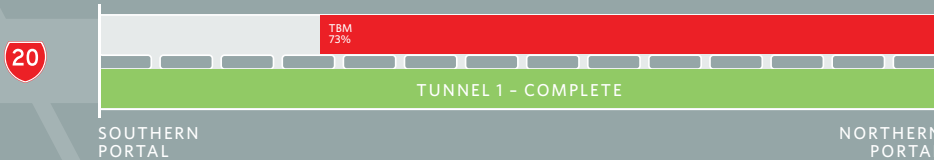
To avoid future similar incidents both the sprinkler service agents and Fire Service personnel should be trained to identify and highlight similar faulty fire safety system setups.

References: NZFS internal incident report; NZS4512: 2010; NZS4541:2013

PROJECT UPDATE

WHERE'S ALICE?

ALICE'S PROGRESS



TUNNEL 2

DISTANCE TRAVELLED **1,780m**
DEPTH (TO CROWN) **29m**
No. OF RINGS INSTALLED **885**
EARTH REMOVED **292,000m³**

Mission possible – Wiri Quarry

Work at Wiri Quarry is literally piling up with over 8,000 tonnes of spoil arriving at the site each day off the back of Alice TBM's drive down the second tunnel.

With Alice surging past the second tunnel's halfway mark, our Wiri team have been extremely focused on completing their winter mission.

"We've been maximising the designated placement areas at our quarry," says Project Engineer Nick Fu.

"This involves managing the volume of spoil being tipped into the main stockpile and then placing it around the site."

The 27,000 hectare quarry has been split into 12 zones for spoil placement, with three zones set aside solely for its winter collection.

Since March the main stockpile has risen eight metres with over 450,000 tonnes of spoil being brought on to site in the past three months alone.

This has required our team of 20 to constantly move it so that there is enough capacity in the main stockpile to cope with delivery volume.

"When we move spoil from the end of the stockpile it shifts forward and lowers the height level at the tip head which provides more capacity for the grey muck to be dumped," says Nick.

Spoil compaction and drying is close to impossible during the wet and cold winter season. However our team implement windrow stockpiling (see infographic) to help with summer placement.

"Windrows assist by allowing for wind to channel through these stockpiles to aerate the material, helping to dry the moisture of spoil on the sides," says Nick.

As winter officially comes to a close, our Wiri team are on target to complete their mission at their 24 hours six days a week operation.

"It's been a very rainy season, since late March

in fact, making the material very wet," says Brett Zimmerman, Wiri Superintendent.

"But the tunnel and cartage teams have been amazing in producing spoil with less moisture content when it comes to our site. This will help us in the long run, particularly when summer comes around."

WINDROW STOCKPILING

- Spoil is taken out from the end of the main stock pile.
- Placed into windrow stockpiles in three zones of Wiri Quarry.
- Windrows vary in size - 30-40m wide, 150-200m long, 3-4 metres high.
- Wind channels through, dries the sides, giving it more aeration.



Wiri Quarry: main stockpile (dark grey spoil) and windrows (below reservoir).

Innovative hydraulic arch forms in cross passages

An innovative piece of machinery which stands five metres tall is playing a central role in the final stages of our cross passage construction.

Two hydraulic arch forms, shipped in from Brisbane, Australia, are being used to provide the final permanent concrete lining for the cross passages.

"The cross passages appear to be constructed in a straight line between the tunnels but they're actually on an angle," says Senior Engineer Colin Stewart.

"The arch forms are an innovative piece of machinery which can adjust its skew to fit the gradient between the tunnels.

Each arch form is 2.5 metre long and has expanding arms which tuck in when being transported through the tunnel to the cross passages by a 20 tonnes crane.

At the cross passages the nine tonnes arch form is placed on to a steel track and slides inside.

"When in the operating position, hydraulics are used to expand its arms into place with screwing jacks to secure it," says Colin.

"A second arch form follows suit and connects together before tooting boards are wedged in between it (arch forms) and the yellow membrane to stop any concrete from falling out the sides."

The arch forms have the advantage of having windows on either side of its arms so that when concrete is pumped into the two inlets, spotters can see the process.

Once the concrete reaches the level of the windows, they're closed and concrete pumping resumes through pump ports on the arch forms' roof.

"When the concrete reaches the top, our team will then assess it, before the arch forms are dismantled and moved to the next cross passage," says Colin.

After the permanent lining of each cross passage, the mechanical and electrical and services fitout will then take place inside.



20t crane lifting the arch form onto the steel track.



Arch form arms expanded.

Work begins to paint tunnels

Sections of the southbound tunnel are sporting a new smooth look with the application of black paint.

Painters began applying the first of two coats inside both tunnels mid-way through last month.

"A black and magnolia colour scheme has been chosen for the tunnels interior," says Section Engineer Joseph Allen.

"We've started painting from halfway down tunnel one, heading south. Once that side's been completed we'll re-start at the north end of the tunnel and work back towards the middle.

Magnolia - neutral to warm white - will be used from the roadway up to 4 metres, with black to cover the roof.

Using black inside the tunnels serves several purposes, a couple of them to do with driver safety:

- Being a circular tunnel, black avoids the 'driving in a tube effect', which can occur for drivers in long tunnels and replaces it with a rectangular shape appearance.
- Black will help to obscure mechanical and engineering equipment fixed to the tunnels' roof,

which reduces driver distractions.

- It will also help with a clean appearance inside the tunnels.

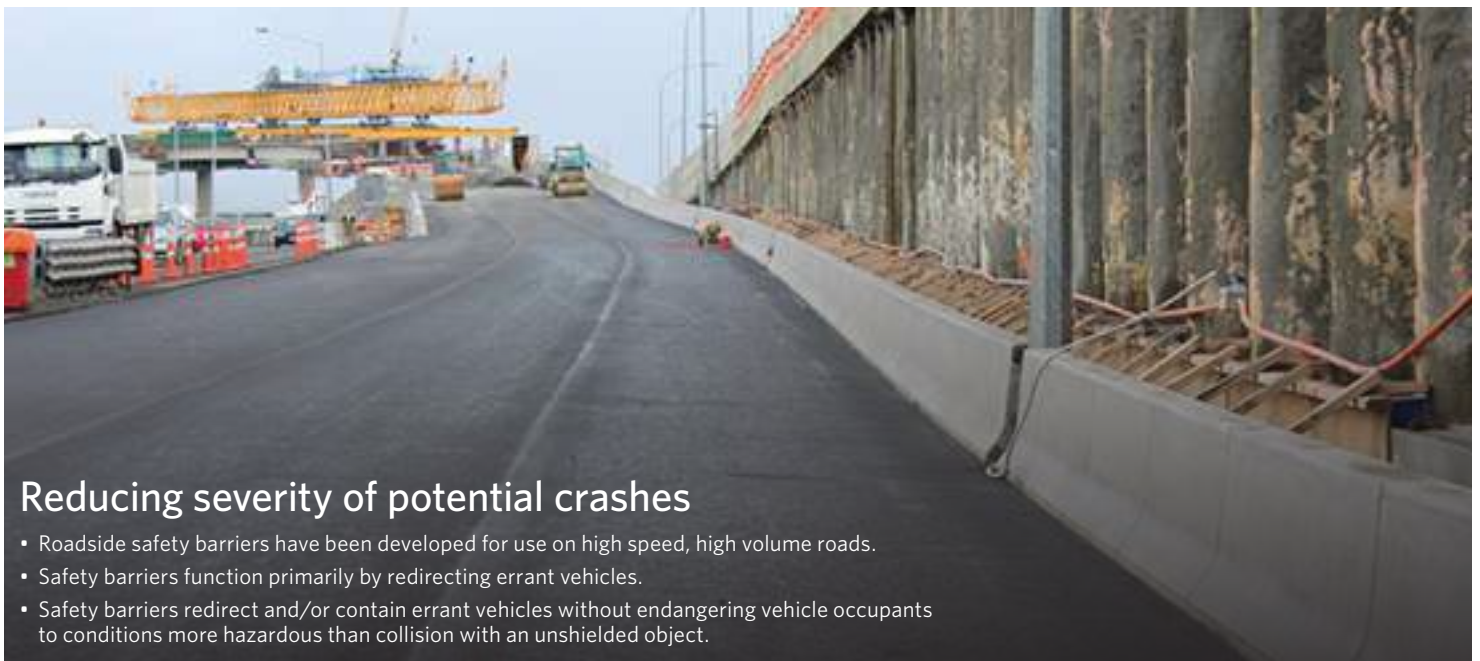
The tunnel lighting and reflective wall finishes inside the tunnel are known to influence driver's sense of well-being and support safe driving. Magnolia achieves the best light reflectance levels necessary to meet the lighting design requirements for safety and minimizes energy usage.



A BIG PAINT JOB

88,531.08M² ON THE ROOF.

48,293.2M² ON THE WALLS.



Reducing severity of potential crashes

- Roadside safety barriers have been developed for use on high speed, high volume roads.
- Safety barriers function primarily by redirecting errant vehicles.
- Safety barriers redirect and/or contain errant vehicles without endangering vehicle occupants to conditions more hazardous than collision with an unshielded object.

Installation of northern back-up power supply

Amongst all the hustle and bustle of our Northern site – vehicles coming in and out, work at the Northern Approach Trench and ramp four on its way to completion – a smaller but key work exercise is taking place.

The installation of 550 metres of ducting for the back-up power supply to the tunnels is in progress with over 50 metres laid so far.

Put down within the vicinity of NZTA land, the ducting will extend from the corner of Great North Interchange (below ramp one) adjacent to Oakley Creek, running around the wetlands along the road alignment before going through the site to the Northern Approach Trench.

“The critical element in the preparation of work area is to ensure the ducts are laid at a depth where we can achieve 900mm of minimum cover for future ground levels,” says Site Engineer Ahmed Shah.

“We also need to locate any underground

services prior to any digging and thrusting along the alignment.”

The northern ducting installation is being done in five sections with one section complete.

WORKING SAFELY IN A TRENCH

- 22kV (kilovolt) ducts will be laid within a trench shield on the Great North Road side.
- A trench shield will be used to protect person working within the trench.
- A trench shield is a steel or aluminium structures used for protecting utility workers while performing their duties within a trench.

Roadside safety barriers go in

Traffic coming down ramp four towards the city won't occur till early 2017, but the road safety barriers off the end of the ramp have already gone up.

450 metres of the roadside safety barriers heading eastbound (to the city) was finished on the Point Chevalier side of SH16 in mid-August.

Electrical ducts have been laid along the length of the barriers to provide electricity for permanent lamp posts and lighting for gantry signs that will function when the tunnels and ramps carry vehicles.

Roadside safety barriers on the Unitec side of SH16 will begin to be installed next month (November) with temporary barriers to be removed after the new barriers are established.

WCA celebrates Daffodil Day

The Well-Connected Alliance celebrated Daffodil Day with a week of events to promote awareness and raise money for Cancer Society.

A lunchtime quiz, an International Lunch, speakers at all eight of our project's Toolbox Talks (site meetings) with some of our WCA people sharing personal stories about their experience living with cancer.

The week concluded with WCA people wearing yellow and blue and their daffodils on the official Daffodil Day to support the great work of the Cancer Society.

100% of the proceeds received during the Well-Connected Alliance's week of events will go directly to the Cancer Society.



Coloured line shows ducting route for the backup power supply.



Some of our WCA people get an early start on the International Lunch.



SAFETY SPOTLIGHT

- The recent - and final - amendments to the new H & S legislation were debated in Parliament last week. The latest update is available [here](#).
- Thanks to all signatories who have paid their levies! More invoices will go out shortly to those members who have recently provided the FTE information to allow us to send them an invoice. Funding from levies will allow us to continue to develop materials to support signatories to improve their Charter Performance.
- ACC is running a 'Tidy Site' campaign on the Rock radio station. Worksites can text ACC to 3520 and you could win your team an awesome workplace shout... which includes free haircuts and shaves provided free by Benny's mobile barber shop (to ensure your PPE works better) and an ACC-sponsored 10-min chair massage – to help keep musculoskeletal issues at bay! So if you think one of your sites is tidy (or hairy) enough to win, get texting! You can find more info [here](#).

Graham's View

Leadership is one of those concepts that we all 'get', even though it comes in many guises and is demonstrated in vastly different ways. If you take the All Blacks as an example, compare the leadership of Brian Lochore or Colin Meads with that of Richie McCaw. All of them inspired their teams to victory, but the culture of the game and the expectations placed on players are vastly different now.



It's the same in construction – the old leadership style of 'she'll be right' no longer defines the culture of our industry and taking risks or cutting corners is not the behaviour we expect or accept from our people.

Richie McCaw is a great leader. He has the qualities that I think great leaders must possess if they're to influence change - he leads by example, he works as part of a team and he inspires others to want to follow his lead. Richie is bright and he's brave. He is influential, articulate and passionate.

The Charter was founded on leadership and its key role is to support members to become great leaders. We've recently published a fantastic suite of leadership resources – covering the entire spectrum from directors to senior managers, site supervisors and workers on site. I hope you will all use them to help shape, influence and improve leadership across your own businesses and organisations. Let's use these tools to help us - and our people - turn leadership from something that we talk about into something that we do.

Finally, just as we expect Richie and his team to achieve great things over the next few weeks, I'd like to acknowledge our own recent significant achievement – reaching 200 signatories. Well done to everyone who has contributed to this effort by promoting the benefits of the Charter and showing leadership in our industry.

Graham Darlow
Charter Steering Group Chair

All About Impairment

The Alcohol and other Drugs (AOD) Working Group is made up of representatives from industry, government and health agencies in Christchurch. It has been active over the past year delivering workshops and undertaking research to gain an understanding of just how much the construction industry is impacted by impairment (fatigue, drugs and alcohol).

Industry reports that their post-incident testing regularly reveals alcohol or other drugs (AOD) as contributing factors in accidents, incidents and near-misses. This is a real concern for employers, the wider community and government agencies like Work Safe NZ and ACC.

At the end of last month, the AOD hosted an Impairment Breakfast for employers, with more than 200 people turning up to find out the effects of impairment on their business, their legal obligations in managing it and how to engage staff and support them to manage/mitigate risks associated with impairment.

We're now planning ways to build on the success of this event and get the messages around AOD in front of workers and employees – that's where we can really make a difference in terms of H & S and supporting businesses and our community.

If you or someone on your team would like more information on the AOD workshops (they're free!), please contact education@mherc.org.nz.



CHARTER NEWS



Your Business: AGL Scaffolding & Rigging

AGL Scaffolding & Rigging are leading the way with their big-time commitment to Health & Safety. The strong team has been operating in Canterbury for three years and during that time they've gone "above and beyond" to ensure their level of Health & Safety is top notch.

"We've got literally hundreds of people working on our platforms every day and all of them rely on AGL for their safety. Health & Safety in our business is a huge responsibility and we take it very seriously" says Health and Safety Officer, Kanei Johnson.

The entire team at AGL is committed to Health & Safety. The business takes a structured approach that includes robust systems, software, policies and processes and "the boys" bring it all to life with their culture of awareness and engagement.

"We have full confidence in our men when they go out to a job. We know that they take Health & Safety as seriously as we do, it's embedded in our business – we talk about it, we report on it, we celebrate it. The culture change I've seen across our business is amazing – and now with new guys starting, they jump straight into the culture. The thing about Health & Safety is that you might think you're taking a hit at the start, but it really pays off in the long run."

Drugs & Alcohol is an area of major concern in the construction industry and AGL has taken a strong stance against their use. All workers undergo a pre employment drug test and this is followed up by regular random drug testing. "We've interviewed people who look perfect for the job on paper, but then they've failed the pre employment drug test. They get turned away at that point."

Kanei says there are lots of businesses and people out there who still don't get the value of Health & Safety. "They focus on nothing but cost. At AGL, we're committed to raising standards across the industry and our clients know they are guaranteed peace of mind with us."

AGL is working alongside several members of the Canterbury Rebuild Charter and are heartened to see the obvious level of commitment to Health & Safety from all charter members.

AGL hold weekly toolbox meetings to talk about the real life hazards that they deal with on a day to day basis, and they regularly invite guests such as Work Safe NZ, Canterbury Rebuild Charter, their clients, other Health & Safety advisors & accident survivors to share stories with their workers.

Regardless of the size of the job, AGL meets with its clients prior to starting work, to go over Health & Safety on the site; they undertake a job safety analysis sheet for every job - and that's on top of the SSSP and TA requirements.

"As well as all the paperwork to support Health & Safety, when the boys turn up to build the platforms, they do their own 5 x 5 – they assess the environment, note the hazards and then set up to work accordingly. It's an active, engaged approach which really works for our business, our industry and our clients."

In early 2015 AGL began attending Charter meetings and decided that they shared the same visions as the 10 commitments. AGL became Signatories of the Charter in



Some of the AGL team at work

June 2015. They are Members of SARNZ, SITE SAFE, ADT Drug Free workplace, and green light members of APPCON/ SITEWISE. AGL's next big Health & Safety step will be to achieve Tertiary level in ACC's WSMP programme.

AGL will be holding a Steak Breakfast on Wed 30th of September and we would like to invite you to come along. We will be running real time training sessions, and discussing some of the systems we have in place here. If you're keen to come along please register your interest to Kanei@aglt.co.nz.

H&S Reward Winners

New Charter signatories, Richies Brick and Block, were recently rewarded by ACC for their great improvements in H & S systems and culture. The team at Richies were nominated by Safe Rebuild, who noted that the company "in a very short space of time, has dramatically improved their H & S systems". From starting with virtually nothing, the business has developed and implemented a H & S policy, installed systems and processes to implement and monitor the policy, holding daily toolbox talks for staff and now working on a Competency register.

This is a great example of a small business who has made a commitment to H & S and by using Charter resources and support – like free training from Safe Rebuild – are making great progress in meeting the Charter commitments. Well done Richies!



Alisa Davies (ACC) acknowledging Richies' staff members Frank Linder and Richard Sturgess (co-owner) for their great H & S improvement



Properly Plastered

Properly Plastered are recent signatories to the Canterbury Rebuild Safety Charter and are well on track to implementing the 10 Commitments of the Charter in their business.

Libi Carr, Safety Charter Project Officer, recently attended one of the regular H&S meetings at Properly Plastered and ran the short Charter Awareness session after the meeting.

Properly Plastered have a real focus on identifying and fixing issues as early as possible. All staff and subbies attend the meetings. Ongoing training and up-skilling of staff and subbies is clearly evident.

The business has elected H&S reps from amongst the workforce and Properly Plastered sub-contractors are in the process of working with Safe Rebuild to lift their H&S practices on the job.

In the recent edition of 'Master Builders Home of the Year', Properly Plastered featured no less than 10 times.

Business owner, Glenn Munro drew attention to this at the H&S meeting noting that not only is this a testament to their quality of work, it is also a demonstration of their

commitment to H&S. People know that Properly Plastered will do the job to a high standard with a high focus on H&S.

We look forward to working with Properly Plastered as a Charter signatory.



The team from Properly Plastered – one of our newest Charter members – who attended a Charter session last week

Charter Members' Area

Also launched at the 31st August Charter Event was the Charter Members' Area. This sign-in area of the website has three main parts:

1. The Charter Organisation Assessments and Plans section
2. The Charter Performance Documents section
3. The Leadership Measurement section

The Members' Area has a help section and a video guide.

The Charter Organisation Assessments and Plans section.

Most signatories have completed the Charter Assessment tool. The new Charter members' area now provides signatories with the ability to easily produce a Charter performance plan. The plan is quick and easy to complete and will help members plan improving their Charter performance.

We encourage all signatories to complete a Charter performance plan - You can do yours now by clicking [here](#).

Charter Performance Documents Section

The Charter Members' area now gives members access to a greater suite of documents to support Charter performance. You will also be able to post your own documents, which will encourage the sharing of policies, templates, education materials and guidance. Documents members now have access to include:

- Canterbury Rebuild Safety Forum documents
- Fletchers induction forms
- SiteSafe's Site Specific Safety Plan
- Fulton Hogan's fatigue documents
- SCIRT drug and alcohol documents

If you have documents that you think will help signatories improve their Charter performance, please send them to info@safetycharter.org.nz

Personal Leadership Assessments Section

Following the launch of the leadership guidance in June we are now launching a personal leadership assessment tool, designed to help you understand where to focus on developing your health and safety leadership.

You can start a 'New Leadership Assessment' and pick the leadership level that best fits your role whether it be as a director, senior manager, site supervisor or worker. The leadership assessment is relatively short – there are less than thirty questions in total. Once you have finished your assessment you will get feedback on what areas of leadership you can improve on, and where to find resources to help you. The results of all leadership assessments undertaken are also provided in aggregate.

This is a great way to get all levels of your organisation involved in H & S leadership! Click [here](#) to access the measurement tool.





THE WORKER'S VOICE

With just nine weeks left to run on our Safety Charter engagement project we've completed and analysed 535 surveys.

Our current phase of work is visiting smaller Charter signatories and non-signatories to raise awareness of the Charter.

What we are aiming for by the end of the project is to implement a set of actions, which have been identified by workers, to improve H & S.

One fundamental part of any conversation with workers is around worker participation – that the people who do the job are involved in ensuring H&S is an integral part of the job. Early on we identified that there is a gap in knowledge across the industry about the role of an elected H&S rep and what constitutes an elected H&S rep.

We are developing an information flyer on worker participation to advise and inform people on the role and functions of an elected H&S rep.

In order to be an elected H&S rep you first must be part of the group you are representing e.g. if you are representing workers on the tools you need to be a worker on the tools. Elected H&S reps must be endorsed and supported by their workmates.

What we have found is that people think in order for someone to be an elected rep there must have been a voting process.

If more than one worker is nominated and accepts the nomination i.e. a contested election, then a vote is carried out and the worker with the most votes becomes the H&S rep.

Again, thank you to all the people who have and are participating in the Safety Charter project, without you there is no project.

We are gathering what we hope is going to be very useful information for you on what good H&S in the rebuild looks like.



Libi Carr
Charter Project Officer
Canterbury Rebuild Safety Charter
Mobile: 022 639 2516
Email: libi.carr@safetycharter.org.nz

Have you got a Charter Champion on your team?

The Charter Champion Award was launched at the 31 August Charter Event. The award celebrates and recognises excellent work and achievements by workers and site supervisors of Charter members.

Charter Champions can be nominated for a great piece of leadership they have shown, which falls under one of the Charters' commitments or in an area of leadership as outlined in the recent Leadership guidance.

Members can nominate candidates by completing the form found [here](#).

WELCOME ABOARD

A warm welcome to our newest 'batch' of Charter signatories:



We now have 248 signatories and endorsees – so thanks to everyone who has supported, nominated and challenged other businesses to sign up for safety!





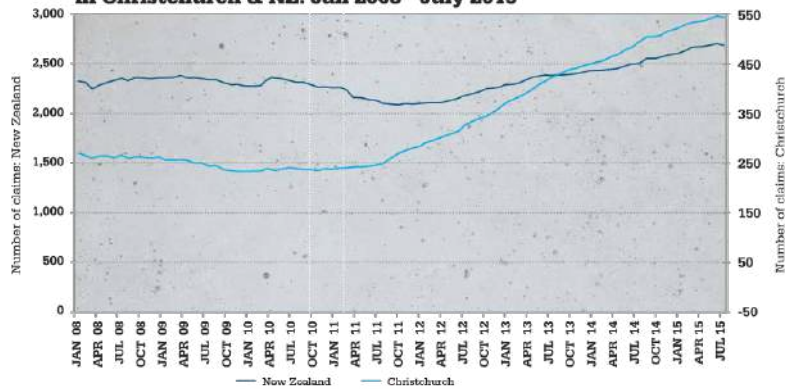
ACC Data Update

New construction-related claims in Canterbury showed a slight decrease for July (543 compared with 548 in June 2015). Those claims that become entitlement claims – that is where a person requires more than 5 days off work – also decreased slightly from those recorded in June (81 for June; down to 77 for July). The average cost of claims in the first 12 months post-injury also decreased increased slightly from 1960 in June to \$1952 in July.

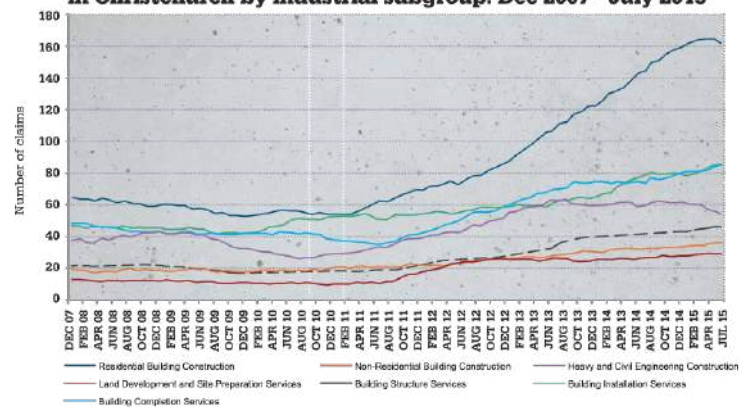
Plasterers recorded the largest increase in claims by occupation – up over 36% over the past 12 months.

The residential building sector continues to dominate claims; however there was a slight decline in claim numbers -the first tangible drop in a number of years. The On Hire sector also recorded a noticeable decrease in claims. [Click here](#) to read the July 2015 dashboard.

Number of new construction claims (12 months moving average) in Christchurch & NZ: Jan 2008 - July 2015



Number of new construction claims (12 months moving average) in Christchurch by industrial subgroup: Dec 2007 - July 2015



COMING UP

AGL Steak Breakfast

Charter members are invited to join AGL for breakfast. This is a great opportunity to network with a fellow Charter member and learn how they go about their business.

If you would like to attend, please contact: KaneI@agl.co.nz

**30
SEPT**

JOIN THE SAFETY CHARTER.

The Canterbury Rebuild Safety Charter is an agreement on health and safety between the leaders of a number of government organisations and companies leading the rebuild

The aim is simple – to get every worker home safely every night.

We strongly urge you to sign up to the Charter, because you will:

- ✓ **Improve the health, safety and wellbeing** of your workforce, your colleagues and the industry as a whole
- ✓ **Receive support from industry colleagues** to help improve on-site safety
- ✓ **Receive practical ideas, case studies and lessons** to help your company and sub-contractors
- ✓ **Have access to Safety Charter events** featuring key speakers and players in the industry
- ✓ **Use the Charter Assessment tool** with its detailed guide and aggregated results of Charter signatories
- ✓ **Make a public commitment to health and safety**
- ✓ **Boost the reputation of your business** through your commitment to the Charter.



Fire Safety isn't something you would take a gamble on, is it?

Next time you need advice, servicing, installation, or fire protection products, there's a simple way to ensure you are dealing with professionals with the relevant training, knowledge, ethics and responsibility critical to the safety of lives and the protection of property.

The way to ensure you are not taking an unnecessary gamble with lives, property, or fire safety is to **choose a member of the Fire Protection Association of New Zealand**.

FPANZ members are proud to belong to an Association which:

- Sets the standards for the Fire Safety Industry in New Zealand
- Ensures its members operate to professional Codes of Practice and Ethical Conduct
- Pursues continuous professional development for members and their staff
- Has established high-level formal relationships with the New Zealand Fire Service, Government agencies, International Fire Associations and the wider community
- Is active in the ongoing development and review of Fire Codes and Standards.

The Fire Protection Association of New Zealand (FPANZ) is a not-for-profit Incorporated Society governed by a constitution and Board of Directors, with its national head office based in Auckland. The Association is the voice of the industry and responsible for these key areas in the industry:

Code of Ethical Conduct

Under the Association's constitution, all members and companies are bound to the Code of Ethical Conduct. Our members are committed to operating to best practice, and are accountable to the Association for their performance. All members are subject to a fully-documented complaints and disciplinary procedure.

Vetting

All prospective new members of FPANZ must supply detailed information on their company, staff and market activities, including customer references. Additional background checks are also done, then all information is reviewed by the Board of Directors to establish that the applicant meets the requirements to become a member of FPANZ.

Insurance

One of the other benefits of dealing with a member of FPANZ is that all members must carry a minimum of two million dollars in public and product liability insurance.

Promoting Industry Training and Education

The Fire Protection Association of New Zealand works closely with key stakeholders: Competenz, FireTech, and its members to ensure the industry is providing continuous industry development and relevant training to staff.

Special Interest Groups

FPANZ Special Interest Groups (SIGs) provide a forum for sub-groups of members to keep abreast of the latest issues affecting their particular discipline, and to ensure that sector-specific issues and concerns are addressed in a timely and professional manner.

For more information or to confirm if your Service Provider is a FPANZ Member, visit our website www.fireprotection.org.nz

or contact: Fire Protection Association NZ, Phone: +64 9 414 4450; Email fpanz@fireprotection.org.nz

To make sure you're not leaving it up to a game of chance, ask your service provider if they are a member of the Fire Protection Association of New Zealand.

National Certificate in Hand-Operated Fire Fighting Equipment (Level 3)

FPANZ, the Fire Protection Association of New Zealand, is working with the fire protection industry and Ministry of Business, Innovation and Employment to make hand-operated firefighting equipment (HOFFE) compulsory for property owners seeking building warrants of fitness.

This change will increase the demand for qualified technicians who can show that they have the skills and knowledge needed to survey, select, install, commission and maintain HOFFE.

CREDITS: 124

DURATION: 24 MONTHS

Who this Qualification is Intended for:

People in the fire protection industry whose work involves surveying, selecting, installing, commissioning and maintaining hand operated fire-fighting equipment.

Skills & Knowledge Gained:

Graduates will gain skills and knowledge in these areas:

- Principles of fire protection
- Engineering measurement
- Fire extinguishers and fire hose reels
- Health and safety, including first aid and resuscitation
- Trade mathematics
- Customer service
- Communications and report writing

Working Towards this Qualification

Learners do most of their learning on-the-job in the workplace. They also do some theoretical learning 'off-job', through training provider Firetech and by correspondence.

A Pathway to Learning

This qualification is one of eight fire protection qualifications that Competenz offers.

Graduates can continue to the:

- National Certificate in Fixed Fire Protection Systems (Level 4) and
- National Certificate in Fire Protection Systems Technology (Inspection and Testing) (Level 4).

They will also have a large number of credits towards the National Certificate in Fixed Fire Protection Systems (Level 4).

More Information

John Stevenson

Competenz Account Manager, Fire Protection

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0800 526 1800 | info@competenz.co.nz

www.competenz.co.nz

Competenz
SKILLS FOR INDUSTRY

FPANZ Council for 2015

Executive Director:	Keith Blind	Fire Protection Association
President:	David Nathan	Fire Security Services
Vice President:	Keith Blind	Fire Protection Association

ELECTED MEMBERS REPRESENTATIVES:

Aaron Nicholson	BECA
David Prosser	Tyco Fire Protection Products
Geoff Cardale	Fire Protection Inspection Services
Geoff Willis	Metalbilt Doors - a Division of RCR Infrastructure
Les Mellars	Active Fire Consultants
Maya Patterson	Property Brokers Compliance
Richard Stewart	AFAM
Simon Nathan	Fire Security Services
Kevin Borley	AMPAC
Kris Tocker	Ultrafire

CHAIRS, SPECIAL INTEREST GROUPS:

Ron Green	Passive Fire Protection Group
Jacqui Bensemam	Contractors Group
Ela Langford	Evacuation Consultants Group
Lance Hunt	HOFFE Group
Jason Godsmark	Inspectorate Group

ASSOCIATED INDUSTRY GROUP REPRESENTATIVES:

Ron Green	Association of Building Compliance
Graeme Quensell	Institute of Fire Engineers NZ Branch
John Lucas	Insurance Council of New Zealand
David Prosser	New Zealand Fire Equipment Manufacturers' Association
Rob Saunders	New Zealand Fire Service
Claire Williams	Society of Fire Professional Engineers (NZ Chapter)

BOARD MEMBERS:

President:	David Nathan
Vice President:	Keith Blind
Immediate Past President:	Mitchell Brown
Appointments:	Jacqui Bensemam Geoff Cardale Chris Mak David Percy David Prosser Joe Rose

LISTINGS

Current FPA Financial Members of the Fire Protection Association of New Zealand Financial Year 2015/2016

PLATINUM
MEMBERS



Argus Fire Systems Service Ltd
Chubb Fire & Security
Fire Security Services Ltd

New Zealand Fire Service
Tyco New Zealand Ltd - Trading as - Wormald
Winstone Wallboards Ltd

GOLD
MEMBERS



Ampac Pacific Ltd
FFP Canterbury Ltd (Fire Fighting Pacific)
Fire Protection Inspection Services Ltd
Fire Solutions Limited

Firewatch New Zealand Ltd
First Fire Systems Ltd
Guardian Alarms Ltd
Nationwide Fire Protection Ltd
Pacific Building Services Ltd
Pertronic Industries Ltd

PSL - Phillips & Smith Ltd
South Pacific Fire Protection Ltd
Steel & Tube Holdings Ltd
Triangle Fire Protection Ltd
Tyco New Zealand Ltd - Trading as - Tyco Fire Protection Products

SILVER
MEMBERS



Alan Wilson Insurance Brokers
Almak Ltd
AON New Zealand Ltd
Aquaheat New Zealand Ltd
Armitage Systems Ltd
Ask Metro Fire Limited
AssetCare Ltd
B & M Sprinkler Ltd
BECA Carter Hollings & Ferner Ltd
BRANZ Ltd
Coating Technologies Ltd
Compliance Fire Alarms Ltd
Compliance Fire Protection Ltd
Cowley Services Ltd

Ecoglo International Ltd
Elite Fire Protection
Fire & Mechanical Contracting Ltd
Fire Control Services Ltd
FFP Nelson Marlborough Fire Ltd
Firepro Centabuild Ltd
Fire Protection Compliance Ltd
Fire System Maintenance Ltd
Hydroflow Distributors Ltd
IANZ
Kingspan Insulated Panels Limited
RCR Building Products NZ Ltd
Trading as -Metalbilt Doors
Promat Australia Pty Ltd

Property Brokers Compliance Ltd
Protech Design Ltd
Safety First NZ Ltd
Select Alarms
Specialist Firestop Contractors Ltd
Tansley Electrical Ltd
Tech Group of Companies - Electrotech Controls Ltd
Tycab NZ Limited
Tyco New Zealand Ltd -Trading as ADT Fire Monitoring NZ
UniFire Ltd
Viking Sales & Services Ltd

BRONZE
MEMBERS



Active Fire Consultants Ltd
Actron Fire Services Ltd
AFAM Ltd
Affordable Fire Protection Ltd
Alarm and Power Services Ltd
Alarm New Zealand Ltd
Allied Alarms Limited
Allproof Industries NZ Ltd
Amerex Fire Pacific (NZ)
Argest Technical Services
Auckland Independently Qualified Persons Ltd
Automatic Fire Sprinkler Services Ltd
Babbage Consultants Ltd
Ballard Consulting
Bondor NZ Ltd
Brooks New Zealand Limited
BSC Fire Protection Ltd
Building & Fire Safety Ltd
Building & Fire Services (2008) Ltd
Capital Fire Extinguishers Ltd
Central Fire Design Ltd
CLC Consulting Group Ltd
Commercial Door Services Ltd
Complete Fire Protection Services Ltd
CoveKinloch Building Compliance and Asset Management Limited
CSD Sealing Systems (NZ) Ltd- Beele Australasia
Eastland Fire Compliance & Locking Ltd
Electrinet LTD
Emergency Management Solutions Ltd
Engineering Design Consultants
Enlightened Solutions Ltd
Fire & Building Compliance Ltd
Fire and Safety Training Ltd

Fire Corp Industries Ltd
Fire Engineering Services Ltd
Fire Extinguishers Ltd
Fire Group Consulting Ltd
Fire International (NZ) Ltd
Fire Protection Services Ltd
Fire Protection Technologies Ltd
Fire Risk Management Ltd
Fire Safety Net Ltd
Fire Sprinkler Installations NZ Ltd
Fire System Inspections Ltd
Firetech Training Ltd
FM Insurance Company
Forman Building Systems
Galbraith Engineering Ltd
H.J Asmuss & Co Ltd
Hills Building Technologies
Hilti NZ Limited
HomeSafe Limited
HSM Group Ltd
Hudson Fire Inspections Ltd
IAG New Zealand Ltd
iFire Protection Ltd
James Hardie NZ
Kensway Fire Ltd
Laser Electrical Blenheim
Loktronic Limited - ViTech Division
Macdonald Barnett Partners Ltd
Mainland Extinguishers
Marsh Ltd
Maximus Fire Ltd
National Consultants Ltd
National Fire Protection Ltd
Nelson Alarms Ltd
Norman Disney & Young
Notifier Fire Systems
Nova Evacuation Services

Nova Flow-Tec Services Ltd
NZ Fire & Compliance Ltd
NZ Fire-Shield Ltd
Oceania Tanks (A division of Rendertech Ltd)
Pacific Consultants Limited
Passive Fire Installations Ltd
Potter Interior Systems
QBE Insurance (International) Ltd
Red Alert New Zealand 2012 Ltd
Redfire Systems Ltd
Reliance Fire Protection Limited
Rhino Fire & Security Ltd
Richdale Fire & Security 2012 Ltd
RJ Nelligan & Associates Ltd
RYANFIRE Products Ltd
Security Specialists Ltd
Shearer Contracting Ltd
Skycity Auckland Ltd
Smoke Control NZ Ltd
South City Electrical & Security Ltd
Southern Fire Protection Ltd
Southgate Fire and Safety
Spot On Fire Protection Ltd
Steelguard Ltd
Stephenson & Turner NZ Ltd
Superior Electrical
Tag Safe Limited
Tasman PFV Ltd
Tasman Tanks New Zealand Ltd
Ultra Fire Protection
Vero Insurance NZ ltd
Vicaluc
Waitemata District Health Board
Westland Fire Equipment Ltd
Xfire Ltd t/a Crossfire
Zone Architectural Products Ltd

INDIVIDUAL/
SUBSCRIPTION
MEMBERS



Ansaar Hussain
Bruce Brooking
David Thompson
Garth Edwards

Graham Ramsey
Lusi Huang
Mike Vincent
Paul Clements

Paul Walters
Peter Matheson
Peter Thompson
Peter Whitehead

Phil Bolton
Phil Williams
Reid Watson
Steve Larkin

LISTINGS

FPANZ Certified Evacuation Consultants as at September 2015

Michael Bull, Almak Ltd
Napier, 06 843 3482
Coverage: Hawkes Bay - Wellington

Andy Conway, FFP Canterbury Ltd (Fire Fighting Pacific)
ALL South Island
Levels: 1, 2, 3, 4

Lian Khoo
Property Brokers Compliance Ltd
P O Box 5004, Palmerston North 4441
Levels: 1, 2, 3, 4

John Llewellyn
Safety Fire New Zealand Limited
PO Box 1830, Auckland 1140
Level 1, 2, 3, 4

Jenny Maxwell
Safety First NZ Ltd
PO Box 1830, Auckland
Level 1, 2, 3, 4

Les Mellars
Active Fire Consultants
3A Arran Rd, Browns Bay
Level 1, 2, 3, 4

Chris Mellars
Active Fire Consultants
3A Arran Rd, Browns Bay
Level 1, 2, 3, 4

Diane Thomson
Red Alert NZ 2012 Ltd
PO Box 4515 Shortland St, Auckland
Level 1, 2, 3

Sandra Thomson
Red Alert NZ 2012 Ltd
PO Box 4515 Shortland St
Auckland
Level 1, 2, 3, 4

Ian McKenzie
CoveKinloch Building Compliance Ltd
PO Box 2571
Shortland Street, Auckland 1140
Level 1, 2, 3, 4

FPANZ Certified Fire Alarm Contractors as at September 2015

Aquaheat New Zealand Ltd
PO Box 51031, Tawa

Argus Fire Protection
PO Box 13508
Onehunga, Auckland

Armitage Group
PO Box 300 483
North Harbour, Auckland

Ask Metro Fire Limited
PO Box 84103, Westgate
Waitakere, Auckland

Chubb Fire & Services
PO Box 19616, Christchurch
All Branches

Compliance Fire Alarms
PO Box 18817, Christchurch

Cowley Services Ltd
PO Box 13782, Auckland

FFP Nelson Marlborough Fire Ltd
PO Box 2365, Stoke, Nelson

Fire Control Services Limited
PO Box 87-122
Meadowbank, Auckland 1742

Fire System Maintenance
PO Box 29074,
Greenwoods Cnr, Auckland

FFP Canterbury Ltd (Fire Fighting Pacific)
PO Box 22189, Christchurch

Fire Security Services
Private Bag 3207, Hamilton
All Branches

First Fire Systems
PO Box 112120, Penrose, Auckland

Guardian Alarms
73 Rugby Street, Mt Cook, Wellington
Auckland, Wellington & Christchurch branches

Property Brokers Compliance Ltd
PO Box 5004, Palmerston North

Select Alarms
PO Box 544, Hamilton

Tech Group of Companies
PO Box 3016, Napier

Triangle Fire Protection
PO Box 34 449
Birkenhead, Auckland

FPANZ Inspection Group as at September 2015

AON: Aon Inspection Services
0800 AON FIRE
Inspections.admin@aon.com
Locations: NZ wide with branches
in Auckland, Hamilton, Wellington,
Christchurch, Dunedin

ARGEST: Building and Compliance Management
0800 274 378
www.argest.com
contact@argest.com
Locations: Auckland, Wellington,
Christchurch

BUILDING AND FIRE SAFETY LTD
Building and Fire Safety Limited
Werner Gebhardt - 0272 97 00 93
Jamie Roberts - 0272 973 963
Office - 09 476 8019
werner@buildingfiresafety.co.nz
jamie@buildingfiresafety.co.nz
Locations: We cover for fire alarm
inspections - Gisborne, Taupo and
anywhere North from there up to
Cape Reinga.

FPIS: Fire Protection Inspection Services Limited
0800 374 769
administration@fpis.co.nz
Locations: NZ wide

FIRE SYSTEMS INSPECTIONS Ltd
Lindsay Morris | 09 833 9126
lindsay@firesysteminspections.co.nz
Locations: NZ wide

KENSWAY
0800 KENSWAY | www.kensway.co.nz
stephen@kensway.co.nz
Location: Auckland, Christchurch,
Wellington

LISTINGS

Listed Sprinkler Contractors Provided by Aon as at September 2015

CONTRACTOR NAME	LISTING TYPE
Absolute Fire Protection	Provisional
Affordable Fire Protection.....	Provisional
AFS Total Fire Protection (Including Life Safety Service (2010) Ltd)	Full
Almak	Full
Aon Inspections Service.....	Full
Aquaheat Industries Ltd.....	Full
Argus Fire Systems Service Limited.....	Full
Armitage Group Limited.....	Full
Ask Metro Fire	Full
B&M Sprinkler Ltd.....	Full
Black and White Fire Systems (2011) Ltd.....	Provisional
BSC Fire Ltd	Full
Central Fire Design Limited.....	Full
Chubb Systems & Services Ltd Chubb NZ Ltd.....	Full
Compliance Fire Protection Ltd	Full
Cowley Services	Full
Dynamic Fire Protection	Provisional
Emergency Management Solutions	Full
Emerson Fire Protection Ltd	Full
Elite Fire Protection Ltd	Full
Fire Control Services Limited	Full
Fire & Mechanical Contracting Ltd	Full
FFP Canterbury Ltd (Fire Fighting Pacific) ...	Full
FFP Nelson Marlborough Fire Ltd	Full
Fire Protection Engineers Limited	Full
Fire Protection Inspection Service Ltd.....	Full

CONTRACTOR NAME	LISTING TYPE
Fire Security Services Ltd	Full
Fire Solutions Limited.....	Provisional
Fire Sprinkler Installations NZ Ltd	Full
Fire System Inspections Ltd.....	Full
Fire System Maintenance Ltd	Full
Fire Systems Consultants Ltd.....	Full
First Fire Systems Limited	Full
Hudson Inspections.....	Full
iFire	Provisional
JW Fire Equipment Services Ltd	Provisional
Kensway Fire Limited.....	Full
Menzies Fire Limited (A)	Full
Menzies Fire Limited (B).....	Provisional
Nationwide Fire Protection Ltd	Full
Nelson Marlborough Fire Services Ltd	Full
Oceania Fire Protection.....	Full
Pacific Building Services.....	Full
Property Brokers	Full
Rapid Fire Protection Ltd	Full
TA Fire Subs.....	Provisional
Triangle Fire Protection Ltd.....	Full
Southgate Fire & Safety Limited	Full
South Pacific Fire Protection Ltd.....	Full
Sprinkler Fitout Specialist Limited	Full
Ultra Fire Sprinkler Systems Ltd	Full
Wormald (Tyco New Zealand) Ltd	Full
Zero Fire Limited.....	Provisional

LISTINGS

FPANZ Fire Extinguisher Service Agents as of September 2015

COMPANY NAME	PHONE	EMAIL/WEBSITE	LOCATION/S
Actron Fire Services Ltd	(09) 357 6767	actron@extra.co.nz www.actron.co.nz	National, Auckland
Argus Fire Systems Service Ltd	0800 427 487	service@argusfire.co.nz www.argusfire.co.nz	Whangarei, Auckland Hamilton, Rotorua Wellington, Christchurch
Armitage Group	09 476 0936	www.armitagegrp.com	Auckland
Capital Fire Extinguishers Ltd	04 236 6400	peter.donald@capitalfire.co.nz www.capitalfire.co.nz	Greater Wellington
Chubb Fire & Security Ltd	0800 800 535	www.chubb.co.nz	National through central contact
Compliance Fire Protection Ltd	(03) 382 1155	glenda@cfpl.co.nz www.compliancefire.co.nz	Christchurch
Eastland Fire Compliance & Locking Ltd	(06) 868 3333	geoff@efcl.co.nz www.efcl.co.nz	Gisborne & East Cape
Fire & Building Compliance Ltd	0800 488 758	info@fbc.co.nz www.fbc.co.nz	Auckland, Waikato, Tauranga, Turangi
Fire Corp Industries Ltd	09 634 6279	mike@firecorp.co.nz www.firecorp.co.nz	Auckland
FFP Canterbury Ltd (Fire Fighting Pacific)	(03) 366 7889 (03) 688 9070	linda@ffp.co.nz timaru@ffp.co.nz www.ffp.co.nz	Christchurch Timaru Canterbury
Fire International (NZ) Ltd	09 524 8847	fireintern@clear.net.nz www.fireinternational.co.nz	Auckland
Fire Security Services Ltd	0800 114 611	robinm@firesecurity.co.nz www.firesecurity.co.nz	North Island
Firewatch (NZ) Ltd	0800 347 392	sales.support@firewatch.co.nz www.firewatch.co.nz	National through Agents
Mainland Extinguishers	(03) 544 9645	mainx@extra.co.nz	Richmond, Nelson
National Fire Protection (2006) Ltd	(09) 473 6102	nat-fire@extra.co.nz www.nationalfire.co.nz	Auckland, Rodney
Property Brokers Compliance Ltd	0800 226 675	compliance@propertybrokers.co.nz www.propertybrokers.co.nz	Lower North Island
Reliance Fire Protection Limited	0800 25 25 65	rod@reliancefire.co.nz www.reliancefire.co.nz	Christchurch, Canterbury
Southern Fire Protection Ltd	(03) 476 7873	southernfire@extra.co.nz southernfire.co.nz	Dunedin
Spot on Fire Protection Ltd	0800 444 700	spotonfireprotection@extra.co.nz www.spotonfireprotection.co.nz	Bay of Plenty
Westland Fire Equipment (2006) Ltd	(03) 762 5609	wfe2006@extra.co.nz	South Island West Coast -South Karamea to Haast
Wormald (NZ) Ltd	0800 4967 6253	Wormald.questions.nz@tycoint.com www.wormald.co.nz	National

FIRE SAVES

FPANZ Recorded Fire Saves for August 2015

1/08/2015	Automatic PFA Call	Residential TE ARO, WELLINGTON CITY	Structure Fire	Carelessness with heat source - not classified above
2/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage DUNEDIN CENTRAL, DUNEDIN CITY	Structure Fire	Undetermined
3/08/2015	Sprinkler PFA Call	Educational KAWERAU, KAWERAU DISTRICT	Structure Fire	Carelessness with heat source - not classified above
4/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage NEWMARKET, AUCKLAND	Structure Fire	Operating deficiency - not classified above
5/08/2015	Sprinkler PFA Call	Health, Institutional HOON HAY, CHRISTCHURCH CITY	Structure Fire	Suspicious
5/08/2015	Automatic PFA Call	Health, Institutional NEWTOWN, WELLINGTON CITY	Structure Fire	Part failure, leak or break
6/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Other electrical failure
7/08/2015	Automatic PFA Call	Residential ILAM, CHRISTCHURCH CITY	Vegetation Fire	Undetermined
8/08/2015	Automatic PFA Call	Educational OTAHUHU, AUCKLAND	Structure Fire	Carelessness with heat source - not classified above
8/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Suspicious
9/08/2015	Manual PFA Call	Health, Institutional CAMBERLEY, HASTINGS DISTRICT	Structure Fire	Unlawful
9/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MANUKAU, AUCKLAND	Structure Fire	Unattended cooking
9/08/2015	Automatic PFA Call	Recreational, Assembly BALCLUTHA, CLUTHA DISTRICT	Structure Fire	Operating deficiency - not classified above
10/08/2015	Automatic PFA Call	Recreational, Assembly LEVIN, HOROWHENUA DISTRICT	Flammable Liquid, Gas Incident	Information not recorded
10/08/2015	Manual PFA Call	Residential HAMILTON EAST, HAMILTON CITY	Structure Fire	Unattended cooking
11/08/2015	Manual PFA Call	Not Recorded THORNDON, WELLINGTON CITY	Not Recorded	Information not recorded
11/08/2015	Manual PFA Call	Not Recorded HICKS BAY, GISBORNE DISTRICT	Not Recorded	Information not recorded
13/08/2015	Other PFA Call	Transportation HINDS, ASHBURTON DISTRICT	Mobile Property Fire	Part failure, leak or break
14/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Miscellaneous Fire	Combustible placed too close to heat source
14/08/2015	Automatic PFA Call	Residential OTAHUHU, AUCKLAND	Structure Fire	Unattended cooking
15/08/2015	Manual PFA Call	Residential PETONE, LOWER HUTT CITY	Structure Fire	Unattended cooking
15/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage NORTHWOOD, CHRISTCHURCH CITY	Structure Fire	Equipment unattended
15/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage INVERCARGILL, INVERCARGILL CITY	Structure Fire	Information not recorded
17/08/2015	Automatic PFA Call	Construction, Renovation EDEN TERRACE, AUCKLAND	Mobile Properties Hazardous Incidents	Information not recorded
17/08/2015	Automatic PFA Call	Utilities, Disposal KINLEITH, SOUTH WAIKATO DISTRICT	Structure Fire	Operating deficiency - not classified above
17/08/2015	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage MOUNT MAUNGANUI, TAURANGA CITY	Structure Fire	High temperature
18/08/2015	Automatic PFA Call	Educational PAPAMOA BEACH, TAURANGA CITY	Structure Fire	Part failure, leak or break
18/08/2015	Manual PFA Call	Residential COLLEGE ESTATE, WANGANUI DISTRICT	Structure Fire	Carelessness with heat source - not classified above

FPANZ Recorded Fire Saves for August 2015

19/08/2015	Sprinkler PFA Call	Health, Institutional FITZROY, HAMILTON CITY	Structure Fire	Failure to clean
20/08/2015	Sprinkler PFA Call	Health, Institutional HAMILTON CENTRAL, HAMILTON CITY	Structure Fire	Heat source too close to combustibles
21/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage WIRI, AUCKLAND	Structure Fire	Operating deficiency - not classified above
21/08/2015	Manual PFA Call	Residential MILFORD, AUCKLAND	Structure Fire	Unattended cooking
22/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage HAWERA, SOUTH TARANAKI DISTRICT	Electrical Hazards	Information not recorded
23/08/2015	Manual PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Heat source too close to combustibles
23/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage KAIAPOI, WAIMAKARIRI DISTRICT	Electrical Hazards	Information not recorded
23/08/2015	Manual PFA Call	Educational PEGASUS, WAIMAKARIRI DISTRICT	Structure Fire	Unattended cooking
24/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage HAMILTON CENTRAL, HAMILTON CITY	Structure Fire	Undetermined
24/08/2015	Other PFA Call	Not Recorded SEDDON, MARLBOROUGH DISTRICT	Structure Fire	Information not recorded
24/08/2015	Manual PFA Call	Residential TE ANAU, SOUTHLAND DISTRICT	Structure Fire	Spontaneous ignition
25/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage HORNBY, CHRISTCHURCH CITY	Structure Fire	Other electrical failure
26/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage RICCARTON, CHRISTCHURCH CITY	Structure Fire	Heat source too close to combustibles
27/08/2015	Manual PFA Call	Not Recorded EDENDALE, SOUTHLAND DISTRICT	Structure Fire	Information not recorded
27/08/2015	Manual PFA Call	Health, Institutional SOUTH DUNEDIN, DUNEDIN CITY	Structure Fire	Part failure, leak or break
27/08/2015	Manual PFA Call	Residential WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Combustible placed too close to heat source
28/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage HEI HEI, CHRISTCHURCH CITY	Chemical, Biohazard, Radioactive Incident	Information not recorded
28/08/2015	Manual PFA Call	Not Recorded TRENTHAM, UPPER HUTT CITY	Structure Fire	Information not recorded
28/08/2015	Manual PFA Call	Educational GREERTON, TAURANGA CITY	Electrical Hazards	Information not recorded
28/08/2015	Manual PFA Call	Not Recorded TAKAPUNA, AUCKLAND	Not Recorded	Information not recorded
30/08/2015	Sprinkler PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Short circuit, earth fault
30/08/2015	Manual PFA Call	Communications, Research AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Short circuit, earth fault
30/08/2015	Manual PFA Call	Not Recorded NEWTOWN, WELLINGTON CITY	Miscellaneous Fire	Information not recorded
31/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MANGERE BRIDGE, AUCKLAND	Structure Fire	Operating deficiency - not classified above
31/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage HENDERSON, AUCKLAND	Structure Fire	Unattended cooking
31/08/2015	Automatic PFA Call	Not Recorded MOUNT ALBERT, AUCKLAND	Structure Fire	Information not recorded
31/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Short circuit, earth fault

Fire Protection Association New Zealand

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