

PERTRONIC INDUSTRIES LTD

FIREBITS

FPA Conference Edition - August 2005

Welcome to this FPA Conference edition of **FIREBITS!** Pertronic Industries is proud to be a regular supporter of the FPA Conferences and the associated FIREXPO - important annual events for our industry.

Another busy year has passed since the last conference. The construction industry has been buoyant throughout the country in all sectors - residential, commercial and agricultural/export. We recently opened a new Auckland sales office and training centre, and recruited additional support staff to maintain our service to an expanded business base (more on page three). We also have a redesigned version of the F120 analogue addressable fire alarm panel going through the approvals process in China to continue the development of overseas markets for our New Zealand engineered equipment..



Construction of apartment buildings in Auckland shows no sign of letting up. The **Lighter Quay** apartments, above (built on the site of some of the Americas Cup challengers' bases), are at the higher end of the luxury apartment market and are only one of numerous developments around Auckland's Viaduct Harbour area. Stages one and two have been completed, with a Pertronic F100A analogue addressable Type 5 system installed throughout. Stages three and four under construction, behind the existing complex.



VESDA



Vesda Laser Focus Range Expanded

Vision Systems introduced the Vesda Laser Focus last year, and it was displayed for the first time in New Zealand at FIREXPO 2004. This first model, the VLF-250 supports a maximum pipe length of 25 metres and is designed for environments of less than 250m².

It has now been joined by the VLF-500, with a maximum pipe length of 50 metres for protection of areas up to 500m².

The two Laser Focus models differ from other Vesda Laser detectors as they can be installed out-of-the-box, without the need for a special interface or software programming tools.



In operation, the unique Smoke Dial display (left) provides the user with an instant understanding of a smoke event, even from a distance. Should a fault occur, the user opens the field service door and activates the instant Fault Finder feature to identify the specific fault condition.

Ultrasonic Flow Sensing is used in the Laser Focus to provide a direct reading of the sampling pipe flow rate - a first for Vesda. This system is immune to air temperature and pressure changes, and is not affected by contamination.

The introduction of the VLF-500 also sees the addition of a network interface card, which allows Focus detectors to be on the same VESDAnet as the other Laser Plus detectors.

Internet Used For Remote Access To Pertronic Panels

The ability to access F100 & F120 panels, or a Pertronic network, via the internet is currently under development. This is a significant advancement beyond modem access for remotely connecting to fire alarm panels, particularly in distant locations, and the technology will be demonstrated on the Pertronic stand at FIREXPO 2005.

The **Victopia** development, in Auckland's CBD, is among the first apartment buildings completed with a Type 5 installation to NZS4512:2003. With a total floor area over 11,000m², two Pertronic F100A analogue addressable panels are networked together, each panel protecting half the building. A remote LED sector mimic (the small white rectangle to the right of the white driveway entrance) also sits on the network, receiving information from both panels to display the relevant fire or defect indication for the complete site. Operating the Silence Alarms key switch on the LED mimic will also isolate the device/s in alarm remotely on either panel.

The Type 5 installation utilizes Pertronic 50 watt amplifiers, capable of producing three different tones via panel programming - the evacuation tone with speech, the alert tone with speech, or a customised tone. In Victopia, the speaker circuits from the amplifiers run through all apartments and common areas, with each apartment circuit supervised by a separate relay. A customised tone for an apartment local alarm or a global evacuation tone/message is directed into each appropriate area through panel programming.



New Auckland Sales Office and Training Centre Opens

Pertronic Industries has opened a new sales office and training centre at 119 Lansford Crescent, Avondale. Located only 15 minutes from downtown Auckland, the new offices are a direct response to the increasing demand for technical support and training in the company's products. As the number of fire alarm companies using Pertronic equipment expands, and the staff numbers in those companies also expand, there is a corresponding growth in the amount of training needed, for both new and existing staff. Added to this is the increasing level of certification required within the building industry, and the need for more formal training becomes self-evident. Pertronic Industries is developing a series of training modules to cover its product range, and these will be introduced progressively at the Wellington and Auckland offices.

Outside of these training sessions, Auckland customers are encouraged to call into the Avondale office for one-on one discussion or advice on the company's products, systems design support - in fact, anything to do with our equipment. A selection of back-up products (such as panel masterboards) will also be carried in stock to assist with emergency repairs, with normal product deliveries continuing on an overnight service from our Lower Hutt warehouse.

Our new Auckland contact details are listed at the top of page four - we hope to see you in the office soon.

New Technical Support Staff Appointed

Providing improved office and training facilities is only part of the increased customer support required - making people available to assist with training and technical support is the other, and more important, part.

Darryl Ingham joined the company in July in the newly created position of Sales & Support Engineer. Based in Auckland, Darryl will assist Rob Fenton with the technical support and training activities required, not just for Auckland companies but for customers throughout most of New Zealand as well. Darryl entered the fire protection industry in 1988 and has spent most of that time in technical service and support roles for three different fire alarm companies in Wellington, before relocating to Auckland a year ago and joining an independently owned company. Darryl can be contacted at the Auckland office or on 027 5555332.

Derek Worsley joined our Wellington office in July also, in the position of Technical Services Engineer. Having just migrated with his family from England, Derek comes to us directly from System Sensor Europe, where he held the position of European Product Manager. Derek has amassed 19 years experience in the European fire protection industry, and his role with Pertronic Industries will include specialist support of the System Sensor product lines, taking advantage of his recent experience with the highly technical advancements in sensing technology.

New Cellphone Number For Rob Fenton

Please note that Rob Fenton's cellphone number has recently changed to 027 2309903

Additions To Pertronic Web Site

Enhancements to the company's web site are ongoing. The latest addition is a battery load calculator for analogue addressable systems. It can be found under the engineering section at www.pertronic.co.nz



Pertronic Analogue Addressable Panels In Asia

A two year development project is coming to fruition, with the Chinese F120 analogue addressable panel (left) now going through the very thorough and detailed approvals process at CNTC (China National Testing Centre) in north China. The panel will be exhibited at the China Fire trade show in Shanghai in November.

The Hong Kong approvals authority, The Hong Kong Fire Services Department, have also given approval for the Australian version of the F100 panel to be used in that country. Approval of the F120 panel is due at the end of August.

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St. Stanislaus College, at Bathurst in NSW, Australia, is a landmark building in the state, and is on the Official Heritage Buildings List.

Construction on the main building (top) began in 1860, was officially opened in 1867, and contains the chapel, admin centre and dormitories. It is now protected by a Pertronic F100 two loop analogue addressable system, currently interfaced to conventional detectors, which are due to be upgraded to analogue addressable devices.

The new Performing Arts building has seating capacity for 2,200 people. It is also protected by a Pertronic F100 analogue addressable system, supporting two data loops. This control panel is housed in a 40U cabinet with a two zone EWIS supporting six WIP's and evacuation strobes.

The two buildings are approximately 500 metres apart, with the fire alarm panels linked via the external modem connections available in the panels, allowing notification of panel status from both sites.



Queen's Plaza, in the heart of Brisbane's CBD, is the city's newest and most exclusive retail mall. Stage One was commissioned in June and covers five levels of retail outlets plus two levels of office space. Several exclusive specialty stores are using Queen's Plaza as their debut into Brisbane.

The complex is protected by a Pertronic F120 analogue addressable system, initially utilising eight data loops with over 600 devices installed. A feature of the installation is the graphical-type fire fan control panel, developed in-house by Pertronic Industries. This panel provides control and status information for over 60 air handling fans, plus a further 60 dampers - and this will be further extended during stage two.

Special software was also developed to use the panel's logic capabilities and make programming the fire fan functions extremely flexible.

