Integrated fire and life safety

EST3 Solutions

Now you can benefit from the confidence of a world-leading solution that meets the unique legislative standards of Australia and New Zealand.
Why choose an EST fire & life safety solution?

We design and manufacture the total fire technology solution.

EST can integrate video surveillance and access control with your fire system.

One manufacturer, one total solution
With EST you benefit from the peace of mind of a single source designer and manufacturer of technology. All of our core components from software to fire panels, OWS (Occupant Warning System), EWIS (Emergency Warning and Intercommunications System), detectors, and signalling equipment have been engineered, designed and manufactured by us to work as part of an EST fire solution. EST technology is not vulnerable to issues of integration, support and compatibility that require the cooperation of third party vendors or strategic technology partners, we can confidently support our own solution now and into the future.

Global technology – local standards
At the core of an EST fire solution is the EST3 platform, a globally proven product deployed in some of the most important and high profile facilities in the world. Now you can benefit from the confidence of a globally proven solution that meets the unique legislative standards of Australia and New Zealand.

Commitment to a future migration path
No matter what EST technology you purchased or when, EST is dedicated to finding you a technical solution to migrate to future technologies. The EST3 platform will soon be capable of backwards compatibility with Ziton legacy detectors and devices. You can feel confident that no matter what the future holds, your EST investment will be protected.

Cost effective deployment and maintenance
A solution built from the ground up to minimise labour and wiring costs in new and retrofit installations while making system maintenance and even upgrades quick and easy.

Grow as you do
EST technology is designed to be scalable to fit any size facility from a small fire panel to a multi-network fire detection and EWIS system. Whatever your requirements you can feel confident that your EST system can handle your future growth plans.

Your choice of certified system installer
An EST solution won’t lock you into a particular service provider. Our robust training and certification programs ensure you can confidently choose from a range of trained and assessed system installers with the skills and knowledge to professionally deploy and maintain your EST fire & life safety system.

Peace of mind that only comes from EST
In 1872, when Robert Edwards installed the world’s first electric fire alarm bell in a New York City church, he began a tradition of innovation that would chart the course of building safety and security for the next 130 years. Today, the Edwards Systems Technology (EST) brand is a world leader in innovative life safety solutions for commercial, institutional and industrial applications with an extensive product range.

London’s National Gallery, housing more than two thousand works of art dating back nearly a millennium, is one of the world’s most important buildings. An EST3 network manages its life safety and voice alarm systems, while scores of Signature Series multisensor detectors continually gather and process information about the environment in its many galleries.

Rising 70 stories above Hong Kong, the Bank of China, its occupants, and the crucial information in their care, are all protected by an EST fire alarm system that monitors more than 3,000 points across a network that spans more than a hundred sub panels.
EST’s modular, flexible and integrated technology.

Fire Detection Technology

EST3 Control Platform
The EST3 control platform is the heart of an EST fire solution. From a small fire detection system to a multi-site enterprise networked system, EST3 is completely scalable to meet the life safety needs of any size facility.
Flexible configuration and functionality
With its flexible design the EST3 can easily add new features to your system. The function of each panel can also be customised by using an extensive selection of plug and play hardware modules within the panel itself.
As new technology becomes available, most of these modules can easily be upgraded via firmware updates through the EST3 network, without the need to replace hardware. This will ensure your initial investment is protected.
Maintenance made easy
The EST3’s diagnostic software makes quick work of maintaining and servicing the fire system. Its unique mapping tool can provide a comprehensive view of connections, enabling quick diagnostics of even the most complicated systems.

Signature Series
Intelligent detectors
Signature Series detectors allow for distributed intelligence by making alarm decisions right at the device rather than at the control panel. This allows for faster response times and superior system performance while providing more efficient power consumption across your system.
Wide range of environments
Signature Series Multisensor Detectors perform under a wide range of conditions, by incorporating photo, ion and heat sensors in a range of detectors.
Easy retrofits and new installations
With Signature Series intelligence, most retrofit applications can use existing conventional wiring and still deliver superior response times.

Fireworks
Event Management Software
Real-time, event driven screens automatically prioritise all system events, ensuring most urgent information is always front and centre. FireWorks can automatically display video footage of potential incidents for instant verification.
FireWorks can act as a conduit, bringing several building functions into a single point of monitoring and control over a corporate LAN/WAN or dedicated fibre optic network.

Audio and Visual Warning Systems Technology

Genesis Series Signals
For sites that do not require EWIS but have the need for integrated audio, EST3’s audio and fire phone modules can seamlessly incorporate a multi-zoned warning system to your EST3 fire system.
The system can be programmed to broadcast up to eight different digital audio channels (messages) as well as PA to any amplifier zones on the EST3 network with just a single pair of wires between panels. The EST3 amplifier modules come in a variety of sizes to suit your site requirements and can be combined with Genesis speakers and strobes to provide a powerful cost effective integrated audio solution.

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Occupant Warning System (OWS)
For sites that do not require integrated audio but still require PA and evacuation capabilities, EST3’s single zone OWS can provide an economical solution for notifying your building occupants.
EST3’s OWS comes in a range of amplifier models and is available in either a standalone cabinet or incorporated into the EST3 cabinets.

Emergency Warning and Intercommunications System
EST’s EWIS is fully compliant with Australian Standards (AS2220.1) providing automatic phased sequencing of warning tones that can evacuate the most dangerous areas of a building first, in a well-staged and orderly manner. It also provides an emergency intercom phone system for fire wardens to co-ordinate and carry out evacuation procedures.
High level fire alarm integration
EST’s EWIS features high level integration to EST3 fire detection system, ensuring cost effective deployment and maintenance of synchronised alarm zone and evacuation control.
Crystal clear true digital audio
EST’s EWIS is capable of networking up to 8 panels, with true digital voice communication across the EWIS network. This ensures crystal clear audio that eliminates the risk of interference or signal attenuation when communicating over a PA or WIP (Warden Intercom Phone). EST’s EWIS has support for a range of amplifiers to cover most applications and designs.
Superior network performance
EST’s powerful fire system network can support 64 panels with each panel supporting up to 2,500 addressable points.

It delivers superior alarm response time across any size network with the ability to network panels up to 90 km or even greater distances over a fibre optic network.

All EST3 operating features are software controlled which gives the designer great flexibility in integrating fire control functions into a single seamless design.

EST3 control panels were installed in the Beijing West Railway Station. This magnificent 5.8 million square foot facility, comprised of eight sections, is the largest station in Asia and begins the Jingjiu Railway extending from Beijing to Hong Kong.

Dubai International is one of busiest and largest airports in the world, processing over 33 million passengers a year. It is also one of the largest fire systems anywhere in the world with two linked EST3 networks supporting a total of 90 EST3 panels, integrated audio and over 70,000 Signature detectors.