

# FIRE MANAGEMENT SOLUTIONS

**Thorburn Security Solutions is a responsible, ethical and fully compliant partner that takes pride in delivering premium risk and security services across South Africa and Africa.**

Thorburn Security Solutions distinguishes itself from competitors through its extensive African presence and its expertise in integrating diverse security and safety measures.

The company's commitment to continuous innovation and adherence to global best practices are key drivers of its success. These principles underpin our strong relationships with customers, suppliers, and subcontractors. Thorburn specialises in delivering comprehensive, integrated system solutions for safeguarding assets and people. Our services encompass the design, supply, installation, commissioning, and maintenance of fire detection, fire suppression, voice evacuation/public address, sprinkler systems, and fire equipment.

When it comes to fire protection, Thorburn offers a comprehensive range of solutions, covering detection, prevention, and suppression. Our ability to provide end-to-end risk management solutions sets us apart, bolstered by the expertise of our in-house design and commissioning consultants. As part of Tsebo Solutions Group, we leverage our affiliation to assist customers in effectively managing their safety and security challenges. With our deep understanding of fire behaviour, we develop tailored products and services to detect, prevent, and suppress fires. Customers place their trust in Thorburn's customised offerings, knowing that their specific needs are met with utmost precision and reliability.

# OUR SOLUTIONS

## Fire Detection System

We offer a variety of fire detection systems to suit different site operational and safety requirements. Our qualified designers and commissioners assess each site and recommend the appropriate fire detection system to ensure compliance.

- 1. Our conventional fire detection system is suitable for small installations.** When a fire occurs, the system's detectors detect smoke and transmit the signal to the fire control panel. The panel displays the activated zone and activates warning systems such as sirens and beacons. However, since the conventional system cannot pinpoint the exact device activation, it may cause delays in investigating the alarm activation.
- 2. The analogue addressable fire detection system is ideal for large installations.** It offers advanced features such as intelligent device monitoring, precise device location, and futuristic graphics software. The system's built-in diagnostics regularly checks the devices on the loop for any issues, including missing devices or cable breaks. It also monitors the contamination levels of field detectors. The system's architecture simplifies cabling, and it can be programmed to display the device location and relevant information on the fire panel's LCD display. Depending on the programming, the system can respond by taking specific actions, such as shutting down ventilation systems or grounding lifts. The analogue addressable system is highly customisable to meet client requirements.
- 3. Aspiration systems function similarly to fire detection systems but use sampling pipes to collect air and analyse it for smoke particles.** This allows for early detection of fire conditions.
- 4. The video surveillance fire detection system, integrated with fire detection software, detects fires at an early stage and generates alarms and notifications.** It provides video feed for remote monitoring without the need for human intervention. This system prioritises human safety and can also serve as a security tool for monitoring areas.

Each of these fire detection systems offers unique advantages, and our team will guide you in selecting the most suitable option for your specific needs.

## Fire Suppression System

We provide a variety of fire suppression systems, including stand-alone and engineered systems, tailored to meet specific site operational and safety requirements. Our knowledgeable fire suppression consultants conduct site assessments to determine the appropriate system for each situation. Based on the assessment, we determine the type of suppression agent required, such as FM200, Novac 1230, Argonite, Pyroshield, CO<sup>2</sup>, and more.

A fire suppression system combines a detection system with an automated release of gas to quickly suppress fires at an early stage. These systems are commonly used to protect critical areas such as server rooms, data rooms, archives, transformer rooms, switch rooms, and other sensitive environments. By evaluating the unique needs of each site, our qualified consultants ensure that the fire suppression system effectively meets the specific fire protection requirements, safeguarding valuable assets and enhancing overall safety.

## Evacuation/Public Address (P/A) Systems

We provide a range of evacuation/public address (P/A) systems designed for both evacuation purposes and public announcements. Our evacuation systems are fully programmable, allowing for pre-recorded messages tailored to different types of evacuations, such as fire, bomb threats, or emergencies.

The evacuation system seamlessly integrates with the fire detection system and features its own backup batteries to ensure continuous functionality during power outages. It offers the flexibility to zone specific areas for evacuation, enabling targeted evacuations based on affected areas rather than evacuating the entire premises.

Our evacuation/P/A systems are reliable and versatile, empowering you to effectively manage evacuation procedures and deliver important announcements in various scenarios, enhancing overall safety and communication within your facility.



## Fire Sprinkler Systems

Sprinkler systems provide a swift and effective response to fire incidents within a building. By promptly detecting fires, sprinkler systems play a crucial role in containing and minimising damage.

Their activation significantly reduces the risk of structures or property being completely consumed by fire. In addition, sprinkler systems afford occupants valuable time to safely evacuate and escape from a burning building. Utilising sprinkler systems effectively enhances both the safety of individuals and the preservation of property



## Fire Equipment

Our range of firefighting equipment includes fire extinguishers, fire hose reels, fire hydrants, fire blankets, and fire safety signs.

We specialise in designing customised solutions that cater to our clients' specific operational requirements while ensuring compliance with safety standards. Our goal is to provide tailored firefighting equipment that effectively addresses the unique needs of each client, enhancing overall safety and preparedness.



## Installation and Maintenance

We provide a variety of maintenance service level agreements to ensure that the equipment installed on-site is well-maintained and meets the required servicing standards.

Our agreements are designed to provide comprehensive maintenance support, ensuring the optimal performance and longevity of the equipment. By adhering to industry standards, we prioritise the regular servicing and upkeep of the equipment to maximise its reliability and effectiveness.

## THE BENEFITS

- ✓ Fully accredited
- ✓ End-to-end solution
- ✓ Innovative technology
- ✓ Integrated systems design
- ✓ 24/7/365 Off-site monitoring capability



**Thorburn will conduct a thorough risk assessment and provide a tailored end-to-end solution.**



## Northern Region

### Gauteng and North West

Pretoria • Johannesburg • Brits  
Rustenburg • Vaal Triangle

### Mpumalanga and Limpopo

Steelpoort • Phalaborwa • Middelburg  
Polokwane • Emalahleni • Mbombela  
Musina • Beitbridge • Lebombo

### Free State

Sasolburg • Bloemfontein • Welkom

## Southern Region

### Northern Cape

Alexander Bay • Kathu • Sishen  
Kuruman • Postmasburg  
Olifantshoek • Upington • Kimberly

### Western Cape

Cape Town • Saldanha Bay • George  
Somerset West • Mossel Bay • Vredendal

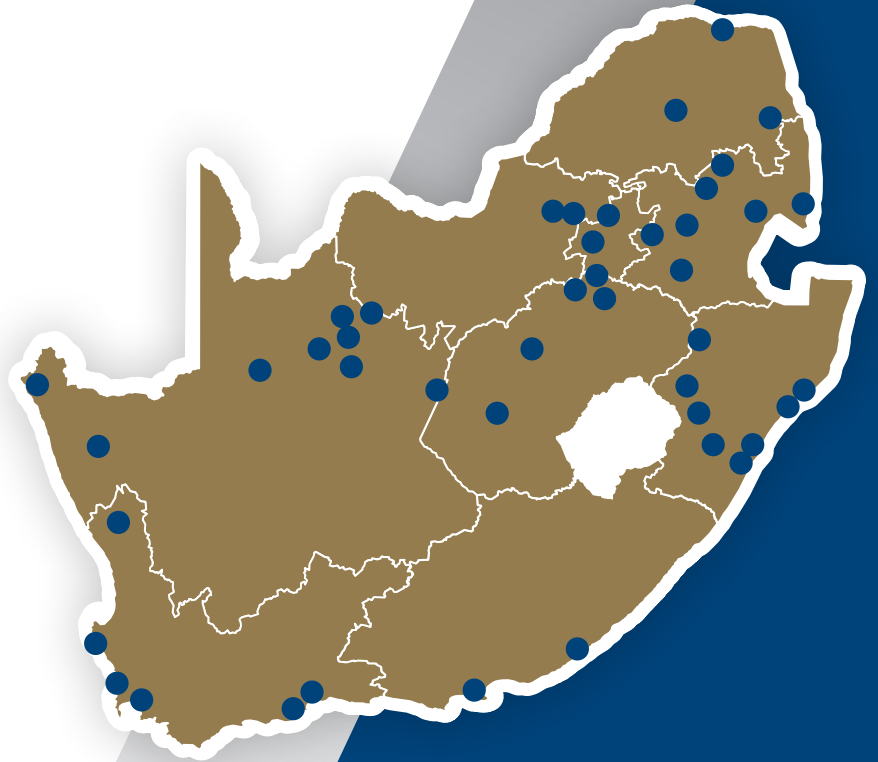
## Eastern Region

### KwaZulu-Natal

Durban • Richards Bay • Empangeni  
Ballito • Pietermaritzburg • Newcastle  
Ladysmith • Estcourt

### Eastern Cape

Gqeberha • East London



## OUR FOOTPRINT

Our total protection team consists of **7 000 employees**

- ✓ 1 200 KwaZulu-Natal & EC
- ✓ 2 000 Western Cape
- ✓ 3 800 Inland



**CONTACT US**  
FOR COMPLETE  
PEACE OF MIND

## Intelligent Protection