



# COMPANY PROFILE

REGISTRATION NUMBER: 2024 / 809307 / 07

TAX NUMBER: 9551120224

## Contact us

+27 82 568 579

[www.apexfireinvestigation.co.za](http://www.apexfireinvestigation.co.za)

[marelise@apexfirinvestigation.co.za](mailto:marelise@apexfirinvestigation.co.za)

13 Clarke Street, Rynfield, Benoni  
Johannesburg



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Fire is a force that can  
both destroy and  
illuminate, reminding  
us of the delicate  
balance between its  
destructive power.

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With expertise and determination,  
fire investigators bring clarity to  
the aftermath of flames, revealing  
the story hidden within the  
embers.

## ABOUT US

At Apex Forensic Fire Investigations, we are South Africa's leading fire investigation company, dedicated to providing top-tier, specialized fire investigation services. As a privately owned firm, we integrate cutting-edge fire science, forensic engineering, and expert legal analysis to deliver unbiased, accurate, and comprehensive origin and cause investigations. Our multidisciplinary approach, powered by experienced professionals across diverse fields, enables us to tackle fire-related incidents with unparalleled depth and precision. Whether uncovering the cause of a blaze or providing actionable insights for claims and litigation, Apex Forensic Fire Investigations is a beacon of reliability and innovation. Partner with us to gain not just a service, but a trusted ally in finding the truth and delivering clarity in the aftermath of fire incidents. Let Apex lead the way in setting the gold standard for forensic fire investigations in South Africa.



# OUR VISION & MISSION



## OUR MISSION

Our mission is to offer precise, reliable, and scientifically grounded fire investigations that support clients in understanding the true cause of fires, assessing compliance with fire safety regulations, and providing critical insights for legal or insurance purposes.

Whether conducting post - incident investigations, pre - fire compliance assessments, or offering legal support in fire - related cases, we ensure that our clients receive a paralleled expertise and a thorough, professional service.

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Unveiling the truth in the  
midst of smoke and  
ashes.



## OUR VISION

To be the leading provider of comprehensive fire investigation services, utilizing cutting-edge technologies and a team of highly skilled professionals to deliver accurate, thorough, and unbiased findings.

We aim to set the standard for integrity, excellence, and innovation in the industry, contributing to the improved safety and security of individuals, businesses, and communities worldwide.

## THE 3 STEP PROCESS OF FIRE INVESTIGATIONS

From assessment to analysis, we uncover the truth behind every flame.

1

### Assessment:

The first step in a fire investigation is to assess the scene and gather initial information, such as the origin and cause of the fire, any potential ignition sources, and the extent of the damage.

2

### Evidence Collection:

Next, investigators carefully collect and preserve physical evidence from the scene, including samples of debris, accelerants, and any suspicious materials that may aid in determining the cause of the fire.

3

### Analysis and Reporting:

Finally, the collected evidence is analyzed using scientific methods and forensic techniques to determine the cause and circumstances of the fire. A detailed report outlining the findings and conclusions of the investigation is then prepared for clients, insurance companies, or legal proceedings.

# WHAT WE OFFER

## ORIGIN AND CAUSE OF INVESTIGATION

Our core service entails conducting meticulous investigations into the origin and cause of fire incidents. Utilizing state-of-the-art fire science technology and techniques, we carefully analyze evidence, reconstruct fire events, and determine the cause, be it accidental, electrical, arson, or otherwise. We adhere strictly to the NFPA 921 methodology, providing a recognized and structured approach to fire investigation. This ensures that our findings are scientifically sound, defensible in court, and grounded in the latest fire investigation standards.

## PRE-FIRE COMPLIANCE ASSESSMENTS

Prevention always trumps cure. We provide comprehensive pre-fire assessments to evaluate and ensure that your property, facility, or operation adheres to fire safety standards. These proactive inspections help identify potential risks and vulnerabilities in building designs, fire suppression systems, and safety protocols, allowing you to take corrective actions before disasters strike. Our engineers apply the latest fire safety regulations and engineering principles to safeguard your premises.

## POST-FIRE COMPLIANCE AUDITS

Following a fire incident, our experts perform meticulous post-fire compliance audits. These assessments determine whether fire safety systems, building codes, and regulations were adhered to and whether they performed as intended during the event. Our findings help identify gaps in fire safety protocols and can be vital for insurance claims, legal proceedings, and regulatory reviews.

## EXPERT LEGAL AND INSURANCE SUPPORT

We recognize that fires often carry significant legal and financial implications. Our team of fire science engineers and legal experts excels at providing courtroom testimony, offering expert opinions, and supporting legal teams in fire-related cases. We collaborate closely with insurance companies to deliver factual, unbiased reports that aid in settling claims efficiently and accurately.

## FIRE BRIGADE EXPERTISE

Our team comprises professionals who have served on the front lines of the fire brigade. This experience provides us with invaluable insights into real-world fire dynamics, firefighting strategies, and fire behavior. Our investigators have an on-the-ground perspective, allowing them to better understand the nuances of fire incidents and deliver more accurate findings.





# WHAT SETS APEX APART?

Apex Forensic Fire Investigations stands out due to our integration of highly skilled electrical and mechanical engineers into our investigative process. Fires often involve complex systems and components, from overloaded circuits to malfunctioning machinery. Our experts delve deep into these technical aspects, uncovering hidden causes that others might overlook. With their extensive knowledge of electrical and mechanical systems, our engineers can:

01 pinpoint faults

02 analyze systems

03 reconstruct events scientifically ensuring thorough and accurate investigations.

Our multidisciplinary expertise makes us the trusted choice for clients seeking clarity and actionable results.



## CANINE ACCELERANT DETECTION:

At Apex Forensic Fire Investigations, we leverage the exceptional capabilities of Accelerant Detection Canines (ADCs) to enhance our investigative process. These highly trained dogs are invaluable in swiftly and accurately detecting traces of accelerants—substances often used to intentionally ignite or spread fires outperforming traditional methods.

## BENEFITS OF CANINE ACCELERANT DETECTION:

- 01 **Cost-Efficient Lab Testing:** By precisely identifying specific areas of interest at a fire scene, our detection dogs significantly reduce the number of samples requiring costly laboratory analysis. This targeted approach not only saves money but also expedites the investigative process.
- 02 **Speed and Efficiency:** Canines can cover extensive fire scenes within minutes, pinpointing accelerants with precision that technology alone cannot replicate. This swift detection capability enhances the overall efficiency of the investigation.
- 03 **Enhanced Accuracy:** With their highly sensitive noses, ADCs can detect even minute traces of accelerants, ensuring that no evidence goes unnoticed. This heightened level of accuracy helps in thoroughly assessing the fire scene and potentially uncovering crucial evidence.

## BENEFITS OF ADCS IN FIRE INVESTIGATIONS:

- 01 **Enhanced Evidence Collection:** Early identification of accelerants strengthens legal cases and aids in uncovering the truth during investigations.
- 02 **Credible and Defensible Findings:** Utilizing trained canines, backed by scientific methodologies, ensures that our conclusions meet the highest standards of reliability, bolstering the credibility of the investigation results.
- 03 **Cost-Effective Solutions:** By streamlining testing requirements, clients can experience reduced expenses without compromising accuracy, offering a cost-effective approach to fire investigation services.

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In fire investigation, our unwavering commitment to precision and professionalism sets the standard for thorough and reliable results.





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we unravel the secrets of fire, piecing together its story to bring clarity and closure to those affected by its destructive force.

## A GAME CHANGER IN THE FIELD:

Canine Accelerant Detection has revolutionized the fire investigation process by seamlessly integrating speed, accuracy, and cost-efficiency. This innovative approach acts as a game-changer for clients seeking optimal results in their investigations.

## THE END RESULT:

Using ADCs ensures that our investigations are not only faster and more economical, but also deliver unmatched clarity and actionable insights. Whether it's arson detection or uncovering accidental causes, our approach provides the answers you need with confidence you can trust. Partner with Apex Forensic Fire Investigations, and let our Accelerant Detection Canines help you uncover the truth with precision and efficiency.





# WHY WORK WITH US?

## WHY CHOOSE APEX?

- 01 **Comprehensive Expertise:** Our team combines fire science, legal insight, and fire brigade experience to offer a complete and nuanced investigation service. Whether you need to determine the cause of a fire, assess compliance with fire regulations, or navigate insurance or legal matters, we have the expertise to deliver results.
- 02 **NFPA 921 Methodology:** We adhere to the NFPA 921 methodology, a set of recognized best practices in fire investigation. This ensures that our investigations are scientifically rigorous, structured, and reliable, enhancing the accuracy of our findings and supporting the defensibility of our reports.
- 03 **Precision and Accuracy:** We conduct every investigation with meticulous attention to detail, using a scientific approach paired with practical experience to ensure that our findings are both accurate and defensible.
- 04 **Unmatched Professionalism:** From the initial call to the scene of an incident, we bring a level of professionalism that guarantees the integrity of our work. We approach every case with care, transparency, and confidentiality, understanding the sensitive nature of fire investigations.
- 05 **Legal and Insurance Support:** We not only investigate fires but also provide full support for any legal or insurance proceedings that may follow.
- 06 **Prevention Focus:** Our pre-fire compliance services go beyond investigating past incidents to prevent future tragedies. By identifying potential hazards and recommending improvements, we help mitigate risks before they escalate. Our detailed reports and expert testimony hold up in court, making us a trusted partner for legal teams and insurance companies.

At Apex Forensic Fire Investigations, we prioritize comprehensive expertise, adherence to rigorous methodologies, precision in investigations, professionalism, and a focus on prevention to deliver unmatched quality in fire investigation services.

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At Apex Forensic Fire Investigations, we bring a blend of precision, professionalism, and preventative focus to every case, ensuring our findings are robust, reliable, and defensible.