



COMPANY PROFILE



“Cyanre, setting the standard for others to follow”

Cyanre The Digital Forensic Lab (Pty) Ltd is a BEE compliant South African based firm which was formed in 2002 to provide comprehensive state-of-the-art digital forensic services to clients. From our inception our vision has been to

“place digital evidence at your fingertips”

We realised that clients are facing an ever-changing and challenging threat from criminals that misuse technology. Over the past decade, this threat has drastically escalated and the sophistication of these criminals' modus operandi has overtaken the average corporation's internal capability.

Cyanre is a hub that harnesses the skills of a multitude of specialist in various fields; such as, digital forensic experts, legal experts, security experts, network experts, data recovery experts and expert witnesses. We have combined this knowledge and expertise to form the leading group of digital forensic experts. This is beneficial to our clients as they do not have to maintain a diverse group of specialists, maintain their qualifications, or carry the burden of the fully-fledged costs of a digital forensic lab. Instead, they can have one ultimate service provider that ensures that for any type of challenge, on any operating system, application or infrastructure, an expert will respond with immediate effect. We ensure that our client will have the best expert, in any field in South Africa, available to



passionately provide immediate, consistent and exceptional service to our clients by employing and training the best people, staying market leaders in our field and never compromising on our standards.”

COMPANY BACKGROUND

Our founder and Managing Director, Danny Myburgh, and our Operational Director, Bennie Labuschagne, are fortunate enough to have illustrious careers in the digital forensic field in South Africa. Cyanre's success, however, has not been built on their accomplishments but by the many individuals, who over the past 13 years were, and still are, a part of our family — those we call The Cyanreans.

The company currently consists of a team of 25 full-time colleagues who have joined Cyanre as experts in their field, or who have shown potential and developed internally to a level where they can stand proudly as a leader and expert in their field.

Danny Myburgh, our MD, established the National Computer Crime Investigation Unit for the South African Police Services (SAPS) in 2000. Danny was the chairman of the Interpol African Working Party on Cyber Crime from 2002 to 2005, and represented Africa on the Interpol International Steering Committee on Cyber Crime. He has been the chairman of the Association of Certified Fraud Examiner's Cyber Forensic Forum from 2011 to 2016. He was also a member of the BRICS Experts Working Group on Cyber Security from 2014 to 2015.

50%

AT LEAST 50% OF THE WORLD'S POPULATION
HAS ACCESS TO THE INTERNET

354 MILLION

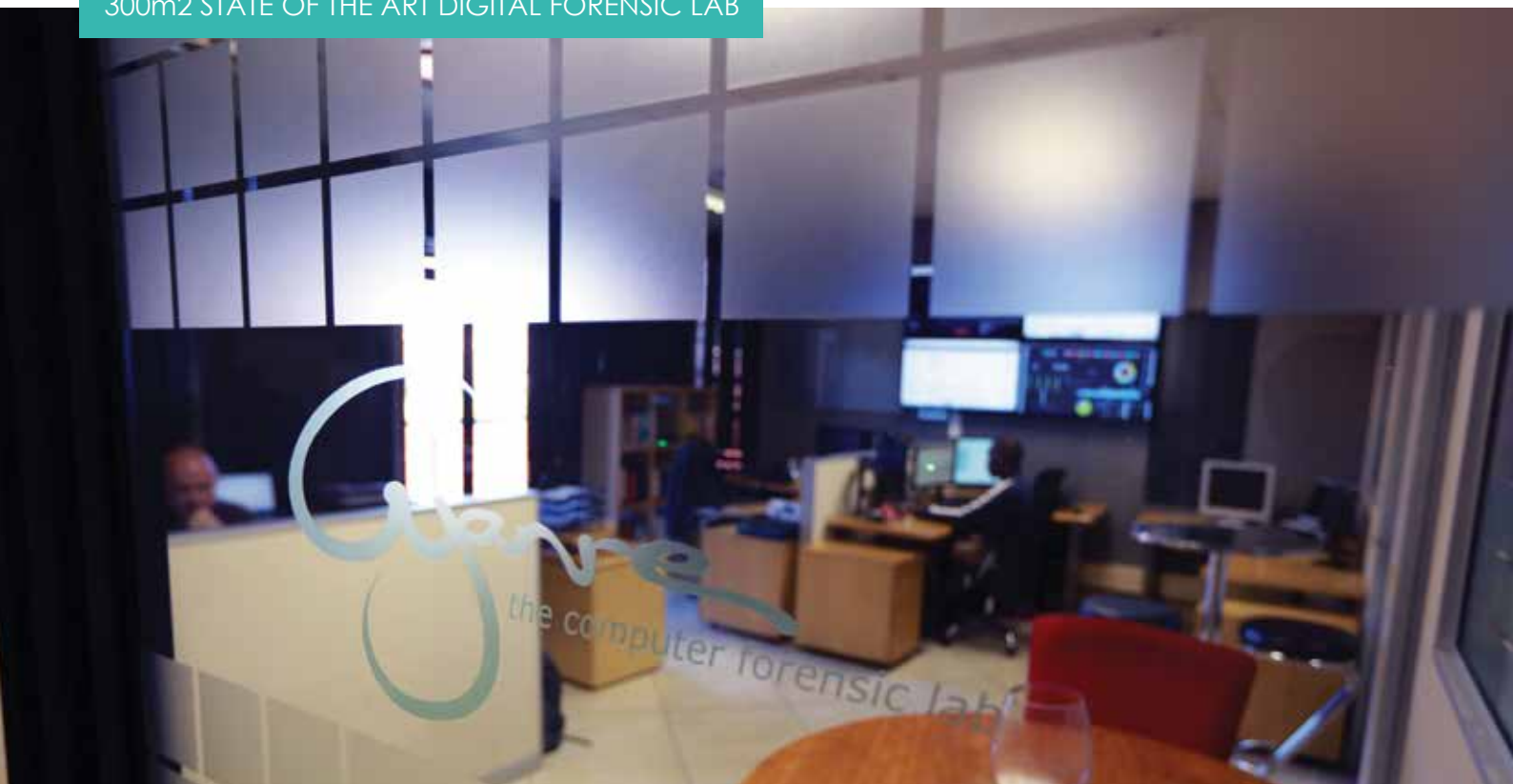
EVERY YEAR IN AFRICA THERE ARE
+354 MILLION NEW INTERNET USERS



67%

THERE ARE MORE
CELLULAR DEVICES THAN
PEOPLE LIVING IN AFRICA

300m2 STATE OF THE ART DIGITAL FORENSIC LAB



SERVICES

1 DIGITAL FORENSIC SERVICES

We follow forensically-correct methodologies by making use of internationally accepted hardware, software, and operating procedures, which are aligned with the major law enforcement agencies across the globe. These agencies include the FBI, Scotland Yard, US Secret Service, as well as South Africa's own SAPS and Hawks. By making use of this sophisticated software and the judicially tested procedures, Cyanre is able to ensure the integrity of all evidence collected, data disseminated, and facts placed in front of a judicial body.

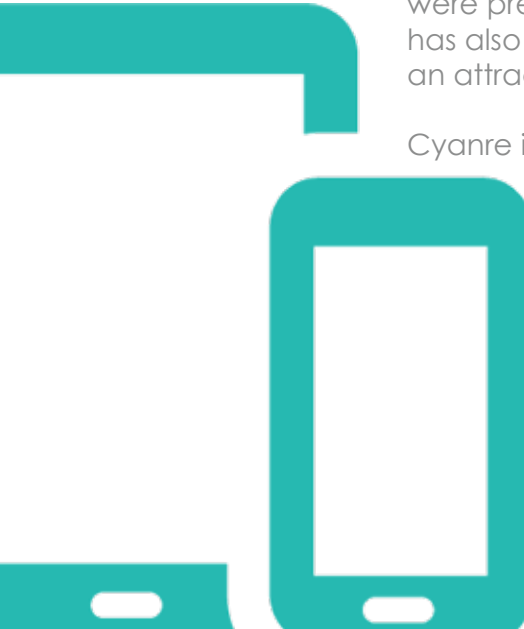
We are market leaders in the areas of digital forensic investigations, IT risk management, data recovery, and electronic discovery. Some of our personnel have been acknowledged by the High Court of SA as expert witnesses in their field and have conducted extensive criminal, civil, and departmental investigations nationally and across Africa.



80%
OF DIGITAL CRIMES IN A BUSINESS ARE
BEING COMMITTED BY EMPLOYEES OR WITH
THEIR CO-OPERATION

Cyanre maintains cutting edge software and hardware and is equipped to investigate any type of computer, operating system, and application/program. Each forensic investigator in Cyanre specialises in a selected area of expertise; this ensures that Cyanre can investigate any type of digital transgression. Personnel of Cyanre receive on-going and advanced training to ensure that all members adhere to expert requirements. Cyanre has the capacity to handle large cases in a required time frame.

2 MOBILE FORENSIC SERVICES



The advancement of digital technology has made it possible for cell phones to be able to replace computers in just about all functions that were previously only possible on a cumbersome computer. This technology has also made cell phones a choice device in cybercrimes as its mobility is an attractive option for illegal and unauthorized activity.

Cyanre is a leading service provider of mobile forensic solutions with the capability of fast data extraction from more than 6 000 different mobile phones, Ipads, and tablets. Cyanre has the ability to extract data in a forensically sound manner and present it with the integrity of the data intact ensuring that the evidence will be admissible in court.

Our services include conducting data recovery from these devices, mapping movement of devices, extracting call logs, data communication, emails, documents, phone book, pictures, videos, text messages, ESN, and IMEI information.

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3 SOCIAL MEDIA FORENSIC SERVICES

Social media is a valuable source of information on individuals. Not only are we able to locate and forensically collect social media information, but we can also identify all of a person's friends, groups, and preferred sites. This is especially helpful to perform due diligence investigations or to compile a complete overview of witnesses, suspects, or employees. Social media posts and comments are also becoming a burning issue in SA and we can assist clients with the location of and forensically securing online evidence.



4 ELECTRONIC DISCOVERY

BY 2020 OUR ACCUMULATED
DIGITAL UNIVERSE OF DATA WILL BE

44
TRILLION
GIGS

Another vital component of our services is electronic discovery. In a complex, multi-party litigation, the lab can mine massive amounts of email correspondence and other data to identify evidence that relates to a case. Up to 70% of emails and other documents in computer storage can be duplicated. Our electronic discovery tools can search through the equivalent of several warehouses full of data, remove duplicated emails, and recover requested information that is relevant to an investigation. Alternatively one would have to go through lengthy and expensive manual reviews of such transactions and files.

5 INCIDENT RESPONSE

In addition to the traditional digital forensic service offerings above, Cyanre has strategically partnered with the industry's most advanced technology platforms and the latest curated intelligence from around the world to put these local and international experts at the controls of an on site detection and response technology that we manage for you. With this combination you can detect, prevent, analyse and resolve security incidents in a fraction of the time compared to conventional approaches.

- o Provisioning of [state-of-the-art detection technologies](#) before and during attacks.
- o [Boots on the ground](#): Experts to address ongoing breaches.
- o [24 Hour Monitoring](#) of on site alerting and forensics technologies.
- o [Containment](#): We remotely stop corporate assets from communicating with attacker infrastructure, preventing data loss in live breaches while allowing investigations to continue uninterrupted.
- o [Full deep dive Forensics](#) services conducted remotely or on site.
- o [Expert interpretation](#) of the findings and sound remedial advice

6 DATA RECOVERY

Data deleted from a computer is rarely completely lost. We can recover data that has been lost, destroyed, deleted, or corrupted.

We work on all types of operating systems. Perpetrators or disgruntled employees often destroy data in order to hide their transgressions, or to render the company unable to use its own data. As part of our services, Cyanre is able to recover this data as well as crack passwords that were forgotten, or have been altered, by employees.



These services include:

- o Data recovery from all operating systems, backups, and servers.
- o Recovery of deleted or destroyed files and corrupt data.
- o Cracking of passwords and decryption of data.

7 FRAUD TREND AND DATABASE ANALYSIS

We take a systematic approach to data analysis that begins with properly locating, scoping, acquiring, testing, and verifying data. Once the data has been verified and moved to a stable platform, we employ a variety of analysis tools and techniques to analyse and compare the data.

Most of our electronic data analysis focuses on the underlying business transactional data contained in a forensic investigation. Our powerful suite of data analysis tools combines the principles of data matching, pattern recognition, and data forensics with our extensive experience in forensic investigations. With our technology we compare data from many different sources within an organisation (general ledger, creditors, debtors and HR) to fraud profiles and external reference databases. This assists in identifying potential irregularities and relationships that may indicate fraudulent behaviour.

8 ANTON PILLAR APPLICATIONS: CIVIL LITIGATION SUPPORT

We specialise in the search for, and collection of, digital evidence during Anton Piller operations and act as a trusted third party in extracting only relevant information. We are able to attend to a large number of sites at the same time due to our large capacity and we have copied an excess of 150 computers within a single operation.

By making use of our services our clients can ensure that:

- o A complete and professional search and seizure is conducted.
- o The search and seizure is conducted by impartial persons.
- o The computer evidence is obtained and safeguarded for future use.

9 INFORMATION CONVERSION

If you are involved in a complex enquiry, involved in integrated legal notes, or overwhelmed by your own business documents, we can convert large quantities of paper documents into usable electronic data. We scan all types of documents and use Optical Character Recognition (OCR) so that you can effortlessly search and manage information in a usable database. Cyanre will transfer your paper documents into any electronic file format as per your requirements. We use high resolution, high speed scanners which can be at our facility or deployed to your business premises. Documents can be electronically indexed to a rate of near-perfect accuracy for data searches. Our team of experienced data capturers can also create an index of all scanned data.

We can supply you with an electronic copy of the data which can be ingested into your internal ICT system or we can host it for you in our secure data hosting centre, which allows you secure access to your data on a 24/7 basis from any location globally. Our aim is to provide you with the ability to access your critical business information in order to effectively review and manage information.

10 SALES

Cyanre has been involved in digital forensics for the past 10 years with some of our members having more than 15 years of experience in the field. We have developed a sound knowledge of the software and hardware tools needed to operate one of the largest digital forensic labs in Africa. By using cutting-edge technology, for which we are also registered resellers in the region, we can apply our knowledge to the advantage of our clients. This cutting-edge technology includes the following forensic tools:



Cyanre has also developed an advanced scene kit to assist first responders to effectively and securely collect digital evidence on scenes:



11 THE TIP OFF'S @ WORK HOTLINE

Tip Off's@Work assists various clients with various channels of communication. Stakeholders of a client's company can anonymously report information about matters of a criminal or unethical nature in compliance with the Protected Disclosures Act. These reporting Channels include:

1. A unique FreeCall 0800 number for reporting concerns 24 hours per day/ 365 days per year. At this stage the line is manned from 6AM to 10PM with a voice recording facility after-hours. We are planning to extend this service to a 24 hour basis.

2. A 0800 FreeFax facility, a FreePost box, and an anonymous email facility. A web-based reporting system is also made available to your organisation's stakeholders.

3. A team of highly trained advisors handling all reports. These advisors are submitted to stringent security clearances on a continued basis to ensure a secure and professional service, and strict ethics codes.

4. We will always endeavour to answer calls in the caller's language of choice. Currently we offer the service in Afrikaans, English, Tswana, Xhosa and Zulu, at the least. We also have language facilities to translate all other South African languages, if necessary.

A Cyber Forensic Expert's true value is not only measured by his ability to locate some digital evidence but more so in his ability to successfully locate all the evidence, place the evidence in context for the investigator, relay findings in an expert report and successfully testify as an expert witness on any level of judicial proceeding. The expert status of a person is measured by his qualifications, experience, lecturing and work published, capacity and infrastructure, affiliation, and accreditation. Measured against these standards, Cyanre is found to be a true market leader even when compared with large international legal and auditing firms.

PILLARS OF EXCELLENCE

EXPERIENCE

QUALIFICATIONS

CAPACITY

LECTURING

RISK MANAGEMENT

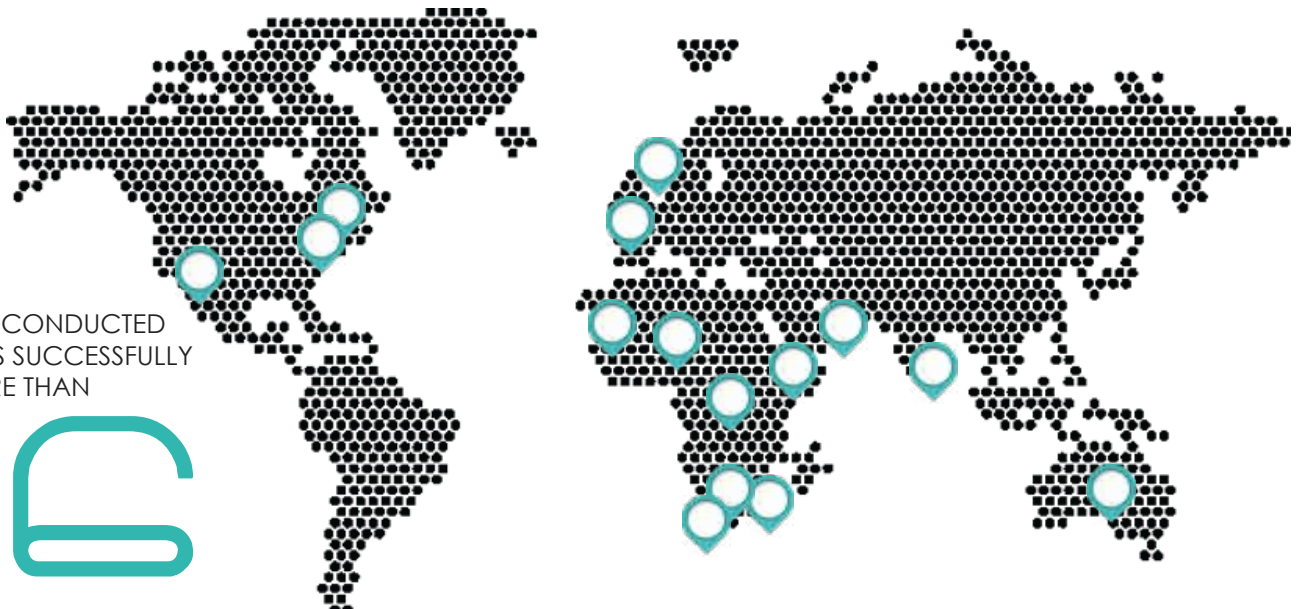
WHAT SETS US APART

One of our strong points is the impressive trial record of our Digital Forensic Experts who have specialised in presenting digital evidence in departmental hearings, arbitrations, civil- and criminal courts, over the past 10 years. These experts are internationally qualified in their fields, conduct continuous training and accreditation, conduct research in their field, publish academic works and subject articles, and regularly lecture in their field of expertise.

INVESTIGATION FOOTPRINT

CYANRE HAS CONDUCTED
INVESTIGATIONS SUCCESSFULLY
IN MORE THAN

26
COUNTRIES



DATA SECURITY

Cyanre the Digital Forensic Lab, is committed to protect the privacy of all its clients and partners as well as any data submitted to us, not only that which may contain the personal and/or private information of third parties, but all information placed in our care.

All contracts with clients and partners contain non-disclosure agreements. Data remains the property of the client and retained and/or destroyed as per instruction from the owner of the data.

All employee contracts as well as sub-contractors' contracts contain a strict confidentiality clause which also states the proprietary rights of the employer, as well as the return of all data and/or information in their possession. Staff only utilise laptops and external storage devices owned by Cyanre: all content remains the property of Cyanre.

Prior to any staff member exiting the services of Cyanre, all hardware and software is collected and backed up in an encrypted format should any legal action follow. No staff member may retain any Cyanre related data, forms etc. The staff are subject to a strict Human Resource Policy. The company has a separate Communication Policy to maintain and manage all computer related data and communication, as well as protect the information held by the Company and utilised by employees and sub-contractors.

Prior to accepting an assignment, Cyanre obtains confirmation and a written undertaking from clients stating that they are authorised to hand over data/information or hardware as the case may be. Cyanre, as a computer forensic firm, collects data in a forensic format which immediately renders it.



Our secure data centre is remotely monitored 24/7, covered by infrared cameras, and is kept inside a digital access controlled walk in safe.

DATA THEFT: SOUTH AFRICAN POLICE SERVICE

Cyber-crime is a growing international phenomenon which poses significant threats to national and financial security, and to the integrity of data and information globally. The absence of a clear policy as well as a lack of institutionalised mechanisms to facilitate a coordinated approach to combat cyber-crime remains a key risk factor. Cyber security has been prioritised by Government within Output 7: "Secure Cyber Space" of the JCPS Delivery Agreement; with a focus on the establishment of a coherent and integrated cyber security approach. The Cluster will invest in research in order to understand the nature of cyber-crime and its impact on the economic and technological development of the country. In line with this, a comprehensive cyber threat assessment will be done in order to determine cyber security baselines, as well as the skills development requirements of cyber-crime investigators.