www.tantech.technology

**TANTECH**
**TECHNOLOGY**
Innovate, Connect, Inspire.

2022

# COMPANY PROFILE

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## WE PROVIDE INNOVATIVE AND COST-SAVING SOLUTIONS

þ The best preparation for tomorrow is doing your best today.

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# GOOD DAY DEAR PARTNERS,

*We demonstrate individual leadership through a positive approach to every task, a "can-do" spirit, and determination to continually improve upon our personal bests. We aggressively pursue new business, determined to add value for our customers with ingenuity, determination, and a positive attitude. We utilize our ability to combine strength with speed in responding enthusiastically to every new opportunity and every new challenge.*

In today's world of terrorism, climate change (natural disaster/vis major), riots and an ever-increasing reliance upon Information Technology (IT), an IT contingency plan is a virtual requirement for any organisation. The time and money invested in developing and writing an IT contingency plan can pay enormous dividends in the event of a major disaster. While a plan is good, it must be tested, revised as necessary, and the people who use it must be trained. Perhaps one of the most important assets a company has during a contingency is dedicated personnel who can solve problems not covered by the IT contingency plan.

Utilising this or another IT contingency planning process that will enable organisations to maintain critical IT systems and business processes during a crisis. No matter what contingency planning process is used, the ultimate success of a contingency recovery depends on the personnel implementing those plans and procedures. The ability of dedicated organisational personnel to overcome personal loss for the good of the organisation and customers is one key to success. In addition, personnel with the ability to develop solutions to problems no one anticipated are extremely valuable during a contingency situation. The combination of a comprehensive and tested contingency plan with these types of personnel will enhance an organisation's recovery capability.

There are many potential threats that can cause a disaster serious enough to require an organisation to implement its IT contingency plan. Natural phenomena, such as earthquakes, hurricanes, and tornadoes, hav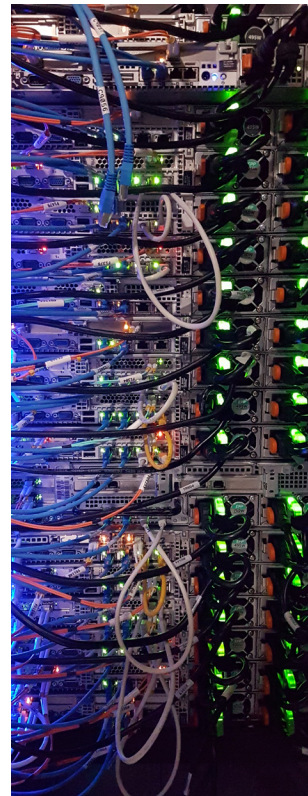e the potential to cause a catastrophic outage of IT systems. Recent events such as Hurricane Katrina, The Tsunami in Asia, The Natal 2022 Floods (Especially Durban South and Northern Coastal Lines) all testify to the devastating and destructive nature of natural phenomena. Almost assuredly, IT systems in buildings at these locations were not spared when these phenomena destroyed everything in their path.

In addition, there are also human-caused catastrophic events that require contingency response. These events can be intentional or unintentional. Unintentional human-caused events include things such as physical accidents, ignoring safety procedures, and mistakes entering programming code. Intentional events are often the work of disgruntled employees, thrill seekers, or terrorists.

IT Systems can be utilised to assist government; private organisations to be pro-active in these situations and also asiist in forensic audits and revovery when such matters occur in future. That is what we at Tan Tech are established as an IT company are doing and we intend to assist other organisations and government.

Yours Sincerely.

*Tandwa Luxolo Ngomane*

## ABOUT OUR MISSION SAYS CEO OF TAN TECH (PTY) LTD. TANDWA NGOMANE

# TANDWA NGOMANE

*Managing Director of Tan Tech (PTY) Limited*

The founder and owner of the company has been in the IT field for over twenty nine (29) years and has recently been joined by reputable polished IT Specialists with various skills.

# OUR STORY

*I am so grateful that you have taken the time to consider partnering with Tan Tech to serve you. While we are proud of our work and the results we will help you achieve ... it is the relationships we build that will endure. I look forward to working closely with you and your team.*

ICT means information communication technology and this is one of the services that Tan Tech (PTY) Ltd offers. Aside from information communication technology, Tan Tech provides web hosting services, Forensic Investigation Audits. Video Camera technology for Live Studios; audio & video (AV) editing and vehicle and body camera technology services.

Tan Tech is dedicated to doing business in an ethical and sustainable manner to meet the needs of a vast range of businesses and industries. Our IT's businesses range from small and medium enterprises (SMEs) to large global enterprises.

We combine our industry knowledge, expertise and best practice with our clients' needs to design and develop tailor-made solutions dependant on your requirements. We recognise that people are part of IT and that the effective combination of these two, contributes to the success of any business.As an advanced technology service provider, we keep abreast of the latest technology to securely enhance your business. Our in-depth knowledge and expertise ensure we are able to provide guidance as to what is possible, practical and cost-efficient.

Tan Tech delivers much more than just technology. Tan Tech's objective is to fully understand its customers' business processes and to deliver signicant added value to its customers by developing solutions that dramatically reduce their costs and enhance their ability to adapt to changes in their markets.

Tan Techs' services and solutions are diversied. Merging them all brings forward a unique and valuable offering in business enhancement.

This covers aspects such as building the right processes, automating them and launching them into the international marketplace while using best practices and international standards as guidelines of quality. In more ways than one, Tan Tech is a one-stop-shop for a company's complete business needs. Tan Tech team is one of the most homogeneous and professional. All of its members are working in harmony offering their utmost loyalty and dedications.

Tan Tech team have gone beyond products and technology and decided to offer the localisation knowledge and technology as the added value of any product and/or service that Tan Tech (PTY) Ltd will sell.

We have sister companies and Teaming Agreements with various companies that will do any IT Solution and Service required by the client at any given time.

**An idea in the moment has sparked a global movement. And we're just getting started.**

b EVERY GREAT DREAM BEGINS WIT STRENGTH, THE PATIENCE, AND THE PA

**The main idea was to build a company, that served the IT industry in all computer related needs and make South Africa Proud.**

**In 2008, we launched Tan Tech as a CC then changed it to a PTY Limited Company**

**We called it, Tan Tech (Tandwa Technologies)**

TH A DREAMER. ALWAYS REMEMBER, YOU HAVE WITHIN YOU THE
ASSION TO REACH FOR THE STARS TO CHANGE THE WORLD.

# ABOUT US

*Tan Tech (PTY) Limited is a 100% black owned company. It was established to focus entirely on all IT (Information Technology) needs. It is a newly established company operating with fresh ideologies and approach to IT solutions and managed by experienced personnel.*

*Tan Tech Consulting aims to provide high quality personalised IT solutions and unparalleled customer care to enhance productivity of our clients' businesses.*

## WHO WE ARE

**We can develop a strategy that allows you to grow without causing you to spend more than you're comfortable with.**

Tan Tech Consulting is a 100% black owned company. It was established to focus entirely on all IT (Information Technology) needs. It is a newly established company operating with fresh ideologies and approach to IT solutions and managed by experienced personnel.

Tan Tech Consulting aims to provide high quality personalised IT solutions and unparalleled customer care to enhance productivity of our clients' businesses.

## WHAT WE DO

- ☐ IT Forensic Services
- ☐ Web Design & Development
- ☐ IT Support Services
- ☐ Police Vehicle Cameras
- ☐ Web Hosting Solutions
- ☐ IT Project Management
- ☐ IT Hardaware & Software Sales
- ☐ IT Audit & Forencic Solutions
- ☐ Programming & Pentesting
- ☐ Police Body Cams
- ☐ Data & Call Centre Solutions
- ☐ SLA & Product Maintenance

## OUR VALUE

- Quality
- Creativity
- Technology
- Innovation
- Customer Satisfaction

Tan Tech is a leading software development rm, specialising in the design, development and deployment of applications software solutions. Combining comprehensive business process analysis and methodologies designed specically for security solutions that combat crime initiatives. We ensure that our clients will gain a signicant return on their technology investment. Through our software solutions we have helped improve the productivity, efficiency and customer service.

OUR MISSION
IS TO BUILD THE
TRUSTWORTHY AND
PROFITABLE GLOBAL IT
COMPANY PROVIDING OUR
CUSTOMERS WITH HIGH
QUALITY SOFTWARE;
HARDWARE  AND
SERVICES.

## IT AUDIT & FORENSICS

Tan Tech specialises in the forensic analysis of all types of digital assets and Computer Forensics for corporate clients, law firms and government agencies. We have completed the forensic acquisition, analysis and production of relevant information for few interntional companies, local agencies, financial institutions and other highly regulated Industries.

## ASSET MANAGEMENT

Asset Management  is exactly what you need to manage the entire life-cycle of your assets from the point of Design/Selection to the point of Disposal. We offer you the ability to follow up on your assets in terms of creation/identication, scheduling preventive/corrective maintenance, needed repairs, status tracking and nally disposing of assets.

## PENETRATION TESTING

Penetration testing (white box, gray box, black box), Vulnerability Assessment, Compliance Testing, Security Code Review, Infrastructure Security Audit; Web Application Protection, Network Protection, Managed IT Services, IoT solutions, Data Analytics. Being ISO 9001 and ISO 27001 certified, ScienceSoft relies on a mature quality management system and guarantees the safety of the customers' data.

# MEET OUR TEAM

## ONE SPIRIT. ONE TEAM. ONE WIN.

fine arts                    illustrator

indesign                    photoshop

### KHAYA NGOMANE
**Creative Director**

The website is still the hub of your digital

presence. We are able to deploy awesome

solutions because we have awesome "web guys".

leadership skill              administrative skills

crisis management            working ability

### TANDWA NGOMANE
**Managing Director**

Overseeing all technology operations and evaluating them according to established goals. Devising and establishing IT policies and systems to support the implementation of strategies set on Tan Tech objectives and goals. Tandwa is also responsible for giving strategic guidance and direction of the company to ensure that we achieve financial vision, mission and long term goals.

c++                          python

unix                         node js

### CHRIS OLD
**Security Analyst & Developer**

Business analysts bridge the gap between IT and the business. They facilitate digital transformation in an organisation by extracting technical requirements from the needs of stakeholders and translating technical questions and complexities into language business stakeholders can understand so they can make decisions to move projects forward.

advertising                  energy

sales                        mining

### SIYAVUYA CINGO
**Sales & Marketing Executive**

Converting more leads into more sales is where the problem usually occurs. This is because most marketing companies don't understand how to bridge the gap between marketing and sales. Our approach to every project is to design for the maximum alignment of sales and marketing initiatives from the beginning. This ensures that you will achieve the greatest possible results.

microsoft                    azure

novell                       dell servers

### ANDILE NSELE
**Network Administrtor**

Network Systems Administrator, is responsible for overseeing an organisation's computer systems or database networks to ensure proper maintenance and security. Their duties include working with other IT staff and company employees to identify network or computer system needs, overseeing the installation of new hardware or software and using employee feedback to isolate issues.

þ   We are creative driven and ambitious team who bring uncompromising quality and original thinking to everything we do.
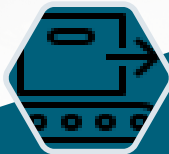
**OUR TEAM SUCCESS STEPS**

Always have Plan-B

Build Foun-dations

Plan to Fail
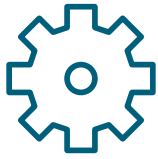
Be Involved

Answer Requests Quickly

**2022**

# OUR SERVICES

*Tan Tech covers all mainstream business networks and desktop environments. Our Consulting group combines proven and innovative technology solutions to complement your business needs. Tan Tech is a one- stop company for all your IT requirements and needs.*

## WEB HOSTING

**Since 2008, Tan Tech has been providing reliable, scalable and secure web hosting solutions for individuals and businesses of all sizes. We have a solid network reliability and responsive 24/7 customer service.**

All data is stored in high-performance, ISO 27001-certified data centres by Go-Daddy.com, and is firmly protected The stringent ISO 27001 certification is only awarded to high-security data centres.

☐ Online storage, web hosting packages, dedicated virtual servers, e-commerce online shops.

☐ Simple template-based software makes it possible to create a professional looking website, without any previous technical experience.

☐ Tan Tech also offers a comprehensive range of flexible, cost-effective virtual servers.

## HARDWARE & SOFTWARE SALES

**Tan Tech buys directly from distributers and our prices are competitive. We have dealership with Cisco and Microsoft Systems and that makes us compete as an SME company in South Africa.**

The company is able to offer professional services. We can supply a range of Computer Hardware and Software from leading manufacturers at promising prices.

☐ A one time decision that saves valuable time for both the customer and supplier which makes us efficient.

☐ We offer cost effective charges and quality service and repairs in all our items and we DO NOT sell any second-hand products to our clients.

☐ We have trained and certified service professionals in a wide variety of fields that are able to assist you.

## SOFTWARE DEVELOPMENT

**Tan Tech (PTY) Ltd is a highly innovative software house, systems integrator and technology provider, established to provide technical solutions.**

We offer consulting services to businesses and gov. in order to allow the efficient and effective secure access and communication with various heterogeneous information resources and services.

☐ Design and development of Integrated IT Solutions and tailor-made software.

☐ Design; development, customisation, deployment and support of enterprise-driven custom software applications and solutions.

☐ Design and development of (transactional) portals exposing workflow-based e-services for customers, citizens and businesses.

## POLICE VEHICLE CAMERAS

**Police Vehicle cameras have changed the way accountability and conduct has been managed in recent years. The ability to review and analyse incidents has also lead to increased performance through training examples.**

Monitor driver behaviour and vehicle activity with live-view video and audio recording.

Essential for insurance purposes and third-party claims

☐ Monitor driver behaviour and vehicle activity with live-view video and audio recording with back and front viewing.

☐ Files can create an evidence report including video footage, screenshots, location and related data.

☐ Patrol Vehicle Cameras: Linked Number Plate Recognition System to online Natis system for outstanding traffic violation fines and a printer ticketing system.
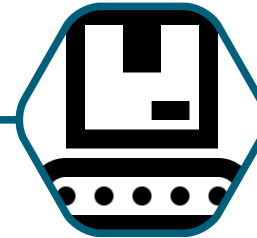
## POLICE BODY CAMS

**Body Worn Surveillance Camera is a video recorder for law enforcement supporting true Full HD videos. It facilitates instant playback, night capturing, video and audio. Ultimate recorder in wearable surveillance solutions.**

Tan Tech together with Cisco are proud to supply the ultimate recorder in wearable surveillance solutions. Body cams are a type of body worn video (BWV) device.

☐ Improve police accountability and lower reports of police misconduct and boast public moral and misbehavior.

☐ A body camera is a powerful and intelligent tool protecting designed to protect those on the front line.

☐ Help prevent and de-escalate confrontational situations between officers and civilians.

## DATA CENTRE SERVICES

**We offer clients managed service that involve management responsibility for data centres. We will seamlessly integrate any organisation and we have the ability to adapt our services, teams to meet your needs.**

We will outsource these services to a well reputable company for Data & Call Centre to manage calls and also to archive video footage that can be used for educational and letigation purposes by law enforcement and our RSA Courts.
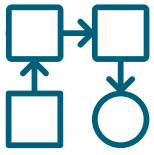
☐ Accelerate Digital Transformation Programs and improve customer focus.

☐ Daily; Weekly and Monthly Crystal reports for Management and Upper Level Management reviews and analysis to help make decisive decicsions.

☐ On-time data access of all information that is readily available to relevant authorities with level user and password access to information using Cloud based service anywhere in the world.

þ   Promise only what you can deliver. Then deliver more than you promise.

BUSINESS NEEDS
ANALYSIS

REVISION
AND DEPLOY

IDEA
GENERATION

LAUNCH
AND TESTING

DESIGN

CODING

# HOW WE WORK

*At Tan Tech we create sustainable jobs for all South Africans with entry level skills and we look after our staff with a passion. Our people are trained to the highest level to do their jobs correctly and we continually strive to improve our procedures.*

## 01 SYSTEM ANALYSIS

It is a process of collecting and interpreting facts, identifying the problems, and decomposition of a system into its components. System analysis is conducted for the purpose of studying a system or its parts in order to identify its objectives. It is a problem solving technique that improves the system and ensures that all the components of the system work efficiently to accomplish their purpose.

Analysis specifies what the system should do.

Estimated duration:
2 weeks

Involved persons:
2 persons

## 02 IDEA GENERATION

The purpose of the second stage is to outline the scope of the problem and identify solutions. Resources, costs, time, and other aspects should be considered here. The planning phase of the SDLC is also when the project plan is developed that identifies, prioritizes, and assigns the tasks and resources required to build the structure for a project.

Estimated duration:
2 weeks

Involved persons:
all team

## 03 DESIGN

The third phase entails two further steps – High-Level Design (HLD) and Low-Level Design (LLD). The result of the former is the future architecture of a software product, whereas the LLD step describes how each and every feature in the product should work. It's also in this phase when the database specification is developed to decide on data management and storage for future processing, retrieval, or evaluation.

Estimated duration:
4 weeks

Involved persons:
2 persons

## 04 CODING

The fourth phase is when the real work begins—in particular, when a programmer, network engineer and/or database developer are brought on to do the major work on the project. This work includes using a flow chart to ensure that the process of the system is properly organised. The development phase marks the end of the initial section of the process. Additionally, this phase signifies the start of production. The development stage is also characterised by instillation and change.

Estimated duration:
5 weeks

Involved persons:
3 persons

## 05 LAUNCH & TESTIN

When the majority of the code for the program is written. Additionally, this phase involves the actual installation of the newly-developed system. This step puts the project into production by moving the data and components from the old system and placing them in the new system via a direct cutover. While this can be a risky (and complicated) move, the cutover typically happens during off-peak hours, thus minimizing the risk.

Estimated duration:
2 weeks

Involved persons:
6 persons

## 06 REVISION & DEPLOY

The Final phase involves maintenance and regular required updates. This step is when end users can fine-tune the system, if they wish, to boost performance, add new capabilities or meet additional user requirements.
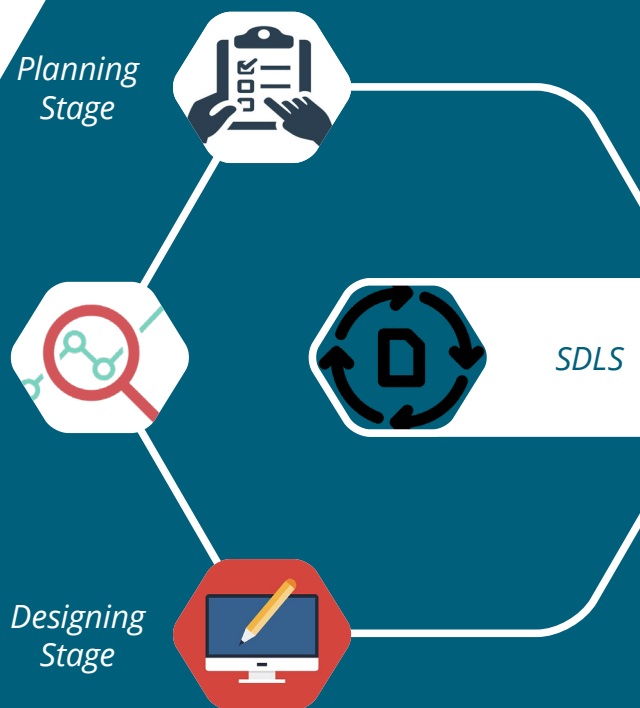
Estimated duration:
2 weeks

Involved persons:
5 persons

# OUR MISSION

**Tan Tech exists to help clients succeed. We enable clients to expand their capabilities, maintain a technical edge, maximize returns on internal resources, grow profit margins and stay ahead of competitors.**
**Tan Tech Consulting aims to provide high quality personalised IT solutions and unparalleled customer care to enhance productivity of our clients' businesses.**

## BUSINESS TEAM

*Tan Tech (PTY) LTD is managed by highly skilled and experienced team of IT Engineers with well over 80 yeras combined expierience from lecturing to working for the best companies in the world that is led by Tandwa Ngomane (Managing Director).*

*Planning Stage*

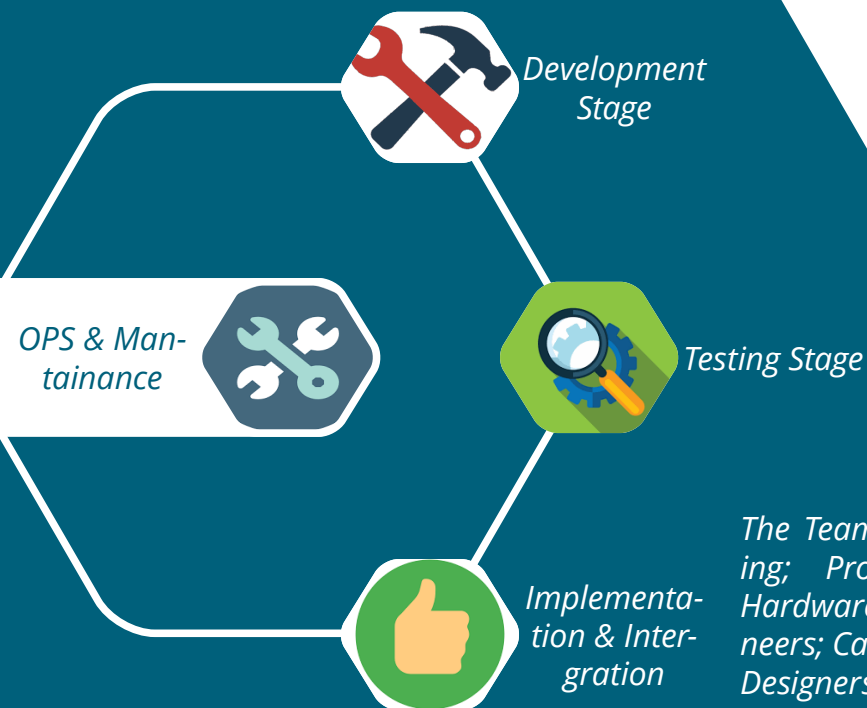*Analysis Stage*

*SDLS*

*Designing Stage*

## BEFORE STARTING

System development life cycle is a project management model that defines the stages involved in bringing a project from inception to completion. Software development teams, for example, deploy a variety of systems development life cycle models that include waterfall, spiral and agile processes.

☐ Feasibility Stage: Developers will plan for the upcoming project.

☐ Helps to define the problem and scope of any existing systems.

☐ The planning stage sets the project schedule.

## FINAL PHASE

Developers must now move into a maintenance mode and begin practicing any activities required to handle issues reported by end-users.

☐ In this phase, users discover bugs that weren't found during testing.

☐ These errors need to be resolved, which can spawn new development cycles.

☐ Enhancement – Adding some new features into the existing software.

*Development Stage*

*OPS & Maintainance*

*Testing Stage*

*Implementation & Intergration*

## TECHNICAL TEAM

*The Team comprises of pioneers in Designing; Programming; Penetration Testing; Hardware & Software Sales; Microsoft Engineers; Cabling Technicians; Web and Graphic Designers that have vast international experience and educational background.*

# BRAND STRATEGY

*Just as an architect draws out a building plan before they start building, you need to develop a brand strategy for your business. Strategic branding helps you set yourself apart from your competition and build customer loyalty.*

## 01 PURPOSE

Functional: This concept focuses on the evaluations of success in terms of immediate and commercial reasons—i.e., the purpose of the business is to make money.

Intentional: This concept focuses on success as it relates to the ability to make money and do good in the world.

## 02 CONSISTENCY

The key to consistency is to avoid talking about things that don't relate to or enhance your brand.

To give your brand a platform to stand on, you need to ensure your messaging is cohesive. Ultimately, consistency contributes to brand recognition, which fuels customer loyalty. (No pressure, right?)

## 03 EMOTION

By providing customers with an opportunity to feel like they're part of a larger group that's more tight-knit than just a bunch of motorcycle riders, Harley Davidson is able to position themselves as an obvious choice for someone looking to purchase a bike.

Belongingness—the need for love, affection, and being part of a group—falls directly in the middle of Maslow's hierarchy of needs, which aims to categorise different human needs.

## 04 FLEXIBILITY

In this fast-changing world, marketers must remain flexible to stay relevant. On the plus side, this frees you to be creative with your campaigns.

A flexible brand means that a brand's visuals and strategy can be easily adapted to reflect evolving core values, focus, and consumer's needs in a continuously changing market. Many companies don't realize why it's important to develop a strong and flexible brand, but we do.

## 05 EMPLOYEE INVOLVEMENT

Achieving a sense of consistency is vital if you wish to build brand recognition. It's equally essential for your employees to be well-versed in communicating with customers and representing the brand.

By holding all our employees to our core values and helping other companies implement the same approach, Tan Tech has built a strong reputation for solid, helpful, and human customer service.

## 06 LOYALTY

If you already have people that love you, your company, and your brand, don't just sit there — reward them for that love.

We cultivate loyalty from the people early on which yield more returning customers — and more profit for our business.

Sometimes, just a thank you is all that's needed. Other times, it's better to go above and beyond.

þ Our clients see software as a source of growth, as a way to create their next flagship product.

**CREATIVITY.**

**INNOVATION.**

**SUCCESS.**

# OUR OPERATIONS

## CHRIS OLD

### *Securty Analyst & Developer*

*In my present organisation, I have successfully managed to finish a project regarding working as a system analyst. Considering the user's requirement, I undertook feasibility analysis. After which I utilised the feasibility analysis report to come up with system specification analysis. System specification analysis gave me an insight into the functional specification which ultimately enabled me to draw a logical and cost-effective design and test plan.*

*After that when the system was implemented through programmers again I evaluated the system based on the requirements. Few changes were required which I implemented and sent it back to the programmers. After the revision, it came out perfectly according to the requirement which initiated the deployment process. It's now under the deployment process. After that maintenance work will follow and feedback mechanism established. It was a great experience for me.*

### *Service Level Agreement (SLA); Training & Warranty Claims*

Regular servicing of all equipment linked to your IT systems to curb and prevent a number of problems usually encountered by users of these services.

### *Call Centre: Help Desk Support & Management Systems*

The management and support of corporate desktops, servers and networking infrastructures.

This we do by contracting your company for a period of time starting from six months to any period of time. Taking over your entire network/PC/trouble shooting/updates/virus scans, etc. will allow you to concentrate on running your business.
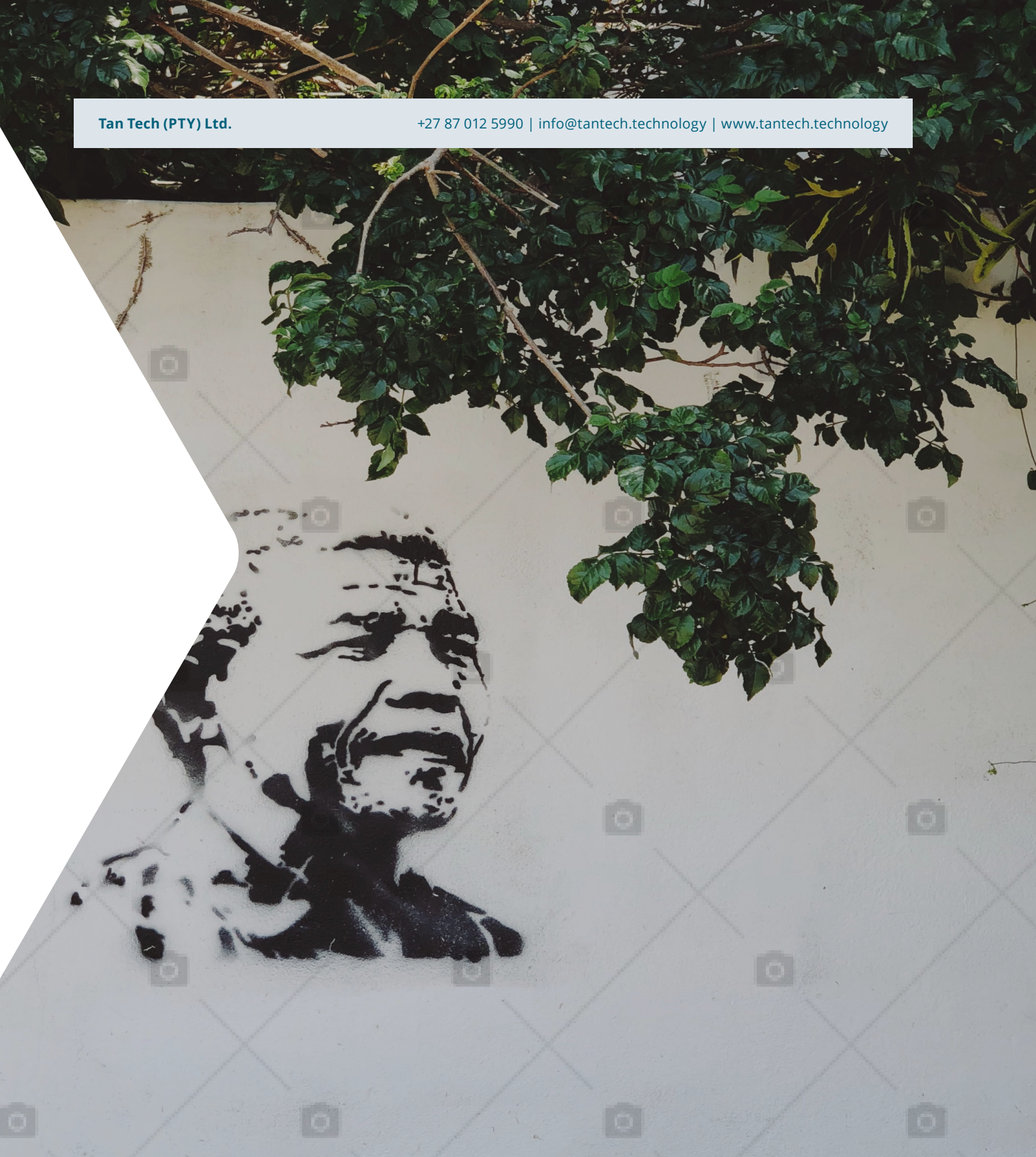
### *Firewall & Virus Detection Services*

Tan Tech will ensure that your data is protected and secured at the same while we prevent any unauthorized access to your data and any other intellectual property you wish to protect.

### *Data Centre Management: Backup Systems; Archiving; Data Retrieval*

Securing your backup systems and we assure 100% restoration of erased data through infiltration by a virus of any kind or by human error.

þ At Tan Tech, we gua
information technology

rantee rapid, reliable and robust
that works.

# TIMELINE

**Meet with project partners to review project submission guidelines, determine overall parameters your project, and develop detailed action plan and timeline for completing proposal components.**

## 2016

**Planning and negotiations with various stakeholders to create a new system for the police video cameras; traffic cameras; and body cameras.**

☐ Signed Teaming Agreement with Bytes Technology with Tan Tech.

☐ Started negotiations with Minister of Staff for Transport Minister

☐ Third party organisations on cameras.

☐ Camera Training and Partnership in China for 2 months.

These plans started in 2016 through Bytes Technology but were pushed back due to matters not under our control. Then 2020 Covid regulations came into effect and a lot of plans had to be shelved. But on the possitive note; this gave Tan Tech more time to do research and seek Funding Companies

## 2021

**The Body & Vehicle Cams Project was rejuvinated in a meeting that Tandwa Ngomane (Managing Director) had with Sandise Mditshwa (Cisco) and the mini presentation that Cisco had done. We then decided to resurrect the Project and approach a few stakeholders.**

☐ Drafting of formal plans and email proposals for Metro Police

☐ POC drafting and Business Plan and Profile.

☐ Partnership Agreements with data Cetre & Call Centre.

☐ Looking for and finding Project-Funders for the project in Gauteng and Durban.

Delays in roll outs and covid restrictions limited the amount of work to be done and various stakeholders being ill or unavalable for various reasons.

## 2022

**Business Presentations to Durban Metro Police Executives in June - July 2022. Several Webex meeting and brainstorming session with Cisco Executives.**

☐ May - June 2022: Brainstorming Session with Cisco Partners and Tan Tech.

☐ 2022: June - July Presentation to Durban Metro Executives. Partnership Review of Agreements and Demos

☐ Await Letter of Intent from Metro Executives and Government.

☐ Offer official Proposal to eThekwini Municipality: Durban Metro Police and SLA Agreements

Tan Tech is trying to get a brainstorming session that will allow us to prepare a presentation for eThewini Municipality: Durban Metro Police.

## 2023

## 2024

## 2025

**Await on Budget Allocation and Durban Metro Go-Ahead as well as look for funding of the project and hiring of staff and leasing of offices in Durban.**

☐ Not sure whether this will be a Proof of Concept Project or if it will go on direct tender.

☐ Solid Parnership Agreements will have to be adopted and training of Tan Tech staff has to be inclusive in that Partnership.

☐ Request of Asset register and various Police Centres for staff and vehicles for Dbn Metro Police.

☐ Drafting of expenditure costings and profit & loss statement and tender submission.

Prepare all documents for POC (Proof Of Concept) or Public Tender documents and revision of all Partnership Agreements and site visists.

**Job Allocations and staffing for Tan Tech. Office setup and trial and test phase of all equiment and roll out of the project.**

☐ Establish relationship and buy-in plan with all stateholders; uninios; executives; etc within Metro Police.

☐ Establish training centre(s) for the police unit on how to use the vehicles and body cameras.

☐ Legal issues regarding the Usage of cameras in liaison with Metro Police Legal and HR Divisions.

☐ Vehicle installation centres; testing and portal links to Natis system as well as testing of call centre and ticketing system

It is crucial to train; educate the police and other stakeholders on all the legal remifications around the usage of cameras and also highlight the rights of the POlice and also that of the Civilians. This is to avoid resistance and failure of thsi project.

**Implemation; Testing ; and improving the system glitches and concerns. Here education will be key to all stakeholders involved for the project to succceed.**

☐ Promotion of Warranty and Repair Support Call Centre.

☐ SLA Implementation and maintenance from both Tan Tech and the client.

☐ Creation of a call-out and reference system for claims and any other troubleshooting reports.

☐ Create a Q&A website that can be used by both the Police Officers and Tan Tceh Technicians to aid in all easy to fix issues.

The support structure is a crucial stage in this project and can determine success or failure of this project. This is where Tan Tech Staff must showcase their customer skills.

## TO DEVELOP INTO A COMPANY THAT LEADS THE FIELD IN DELIVERY OF THE HIGHEST QUALITY SERVICE IN THE SHORTEST POSSIBLE TIMEFRAME WITHIN THE CLIENT'S BUDGETARY CAPACITY.

# OPERATIONS & FACTS

*We are a team of highly skilled computer engineers that are specialising in some of the servives listed below*

## CONTROL CENTRE ROOM
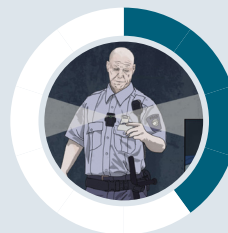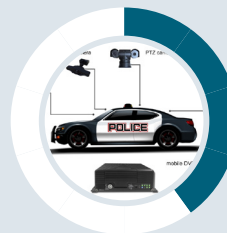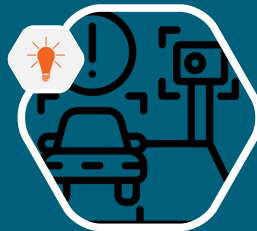
### Radio Comms System

**Most important of all, two-way radio communication devices are reliable. If more signal strength is required, all you need to do is add a repeater or use a larger antenna. Using two-way radios, can create a bespoke and dedicated communications network that is unaffected by power outages or signal loss.**

### Control Room Monitors

**Having the right video wall system is key to successful operations. From improved collaboration to remote access, scalability, and real-time data streaming, our software-defined video wall solution does it all.**

### Training & Repair Centre

**A training centre facility will be built for our clients to train and certifications issued to our product range.**
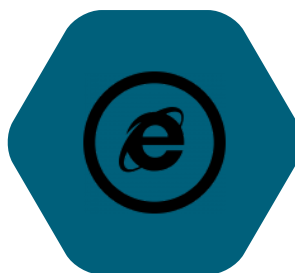
### CCTV Cameras & Monitors

Due to the high level of clientele and equipement we have including the sensitivity of data Tan Tech will need high-end CCTV Monitoring equipment installed in their premises at all times.

### Telephonic Support

Tan Tech will need and encrypted telephonic support lines with a PABX system installed on our premises. We will outsource the call centre facilitties to a reputable company for repairs; support and troubleshooting.

### Warranty Claims

All our products sold to customers will meet the industry standards required by the client specification and warranty clams at all times

## NO EMAIL QUOTA FILE SIZE

## SSL CERTIFICATION

An SSL certificate is a digital certificate that authenticates a website's identity and enables an encrypted connection. SSL stands for Secure Sockets Layer, a security protocol that creates an encrypted link between a web server and a web browser.

## DOMAINS

A domain name is a unique, easy-to-remember address used to access websites, such as 'google.com', and 'facebook.com'. Users can connect to websites using domain names thanks to the DNS system.
Domain names are all managed by domain registries, which delegate the reservation of domain names to registrars.

## DOMAIN TRANSFER

A domain transfer is the process of switching your domain name from one registrar to another. To be eligible for a transfer, you must have been with your current registrar for at least 60 days, since ICANN enforces a 60-day Change of Registrant lock. You might want to initiate a domain transfer for a number of reasons.

## WEB HOSTING SERVICES
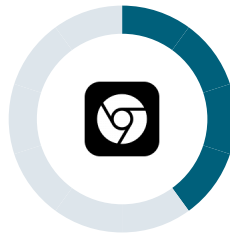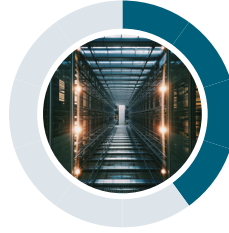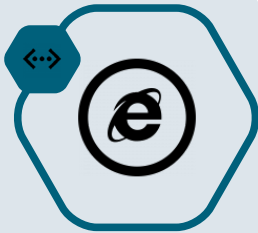
### Domain Registrations

**Host your domain with us and point it to another providers nameservers or you can use our nameservers for free DNS hosting.**

### Email Configurations

**You'll need your email provider's incoming server settings (POP or IMAP) and outgoing server settings (SMTP). We also do these configuration setups at all times and we link them to your domain name. Our e-mails have unlimited quota file size and you will have unimited e-mail accounts.**

### SLL Domain Certificates

**SSL keeps internet connections secure and prevents criminals from reading or modifying information transferred between two systems.**

### Software Sales

We offer a wide range of software sales and service products with full licensing and some licenses are perpertutual and some are offered in packages or for each node or inividual. Please ask our Sales Team for your specific needs and requirements.

### Hardware Sales

We sell products ranging from CCTV produts; Servers; Switches; Laptops; ICT Solutions; etc depending on your requirements for your company. We also offer full support services on Servers; like Dell; Lenovo; etc.

### Web Designs

We do Web Designing and Branding services to our clients and solutions for IOS and Android App devices and solutions. We also advise and sell Firewall detection intrussion solution systems that will help prevent data loss.

## SOFTWARE DEVELOPMENT

**Tan Tech uses state of the art software programs to help them deliver incredible user experiences. Why? Because we give developers the tools they need to spur innovation and build great modern apps, unleashing them to create without obstacles and quickly turn code into the products our customers need. In software engineering, a software development process is a process of dividing software development work into smaller, parallel, or sequential steps or sub-processes to improve design, product management.**

# PORTFOLIO

*Tan Tech is a technology company. We provide people good expierence in technology. We guide people on how to use modern technology in present time.*

## 01

Development time:
1 month

## HOSTING SERVICES

**Keep your website running smoothly with a hosting company that guarantees you good uptime, fast load times and easy setup. Our pricing structure has not increaed for the past 12 years!!**

Create unlimited addresses with POP/IMAP/SMTP accounts, plus support for autoresponders, webmail, filtering, and advanced spam protection. Not included with "Shared Starter."

Real-Life Human Beings - Tech veterans, geeks, and nerds are all standing by to optimise your experience. Whether you get in touch with our support, read our knowledge base, or start a thread in our community forum — getting answers is easy.

The single most important thing you can do to keep your website safe? Back it up. Tan Tech makes this easy — we create automatic backups of your WordPress website every day.

Perfect for supporting lots of WordPress sites, larger sites, and even includes email hosting @ your domain.

## 02

Development time:
1 month

## WEBSITE DESIGN & DEVELOPMENT

**Web designers help transform your brand into a visual story.**

**We turn your website into an effective way to engage with your audience and a high-performing marketing tool for your business.**

Although the appearance of your website is the first impression that you make on a potential customer, your website design shouldn't stop there. The best website design and development will make your site as beautiful as it is functional and easy to use.

Strong website development provides opportunities for users to gain useful information, understand what you have to offer, build a relationship with your company, and follow the buyer's journey to a decision – without a hitch. Having an effective website is only one component of your digital marketing strategy. You wouldn't try pitching a tent with one pole; the same goes with digital marketing. If you want to see results from your digital efforts, you need to think beyond your website.

## 03

Development time:
3 - 10 months

## IT FORENSIC AUDITS

**In all business operations Tan Tech maintains the highest standards of professionalism, integrity, and dedication with absolute confidentiality. Any research that may be required is performed dicretely and without traceability to the client. Work and people ethics remain a key part of all key staff of Tan Tech on a daily basis.**

Every day around the world, digital data is playing an increasingly important role in investigations and operations of all kinds. Harnessing data to make it accessible, collaborative and actionable is what Tan Tech does best.

Our full range of digital forensic solutions provide access to mobile devices, social media, and cloud data sources; our solutions improve the efficiency of digital investigations, and Tan Tech's powerful data analytics to provide critical insight when it's needed most. By deploying our digital intelligence solution set, customers can better leverage digital evidence to accelerate investigations and intelligence gathering operations.

01



02



03

**Body Camera goes far beyond a body camera. It is a powerful and intelligent tool protecting and designed to protect those on the front line.**

**In-car camera systems are a crucial part of your digital resources and the technology is always evolving. The In-Car Camera Systems category from Cisco includes everything you need to know.**

**Develop a state of the art studio for our company to be able to edit videos for our clients in other industry. Do voice overs and audio editing on all our YouTube content. Assit in Police Live Commentary Production.**







04

05

06

# PORTFOLIO. CAMERAS: STUDIO; BODY & VEHICLE

*Our systems are compliant and configurable to any privacy law, operational procedures and open to integration with other systems.*

## 04

Development time:
2 - 10 months

Body Cams:



### POLICE BODY CAMS (CAMERA)

**Safer, better and rewarding work for all frontline professionals with Cisco mobile video intelligence and evidence systems. Enable digital support from your organisation to ensure that employees can work safely and confidently. Never work alone in dealing with the unexpected scenarios; always have extra eyes in the field.**

Secure video processing, evidence management and operational integration that meet all International-laws and regulations for justice and privacy.

There are no backdoors to your data storage. Tan Tech provides, supports and services bodycam systems from within the Republic of South Africa to hundreds of satisfied organisations in over forty countries. With Tan Tech's Durban headquarters we comply to all regulations.

Body Cams allow for a crucial improvement in terms of communication and the resulting efficiency of the operation. Live images create the possibility to efficiently and instantly solve issues on the ground. Minutes of description and communication between safety officials and the Command Post, and the Command Post to chain partners becomes much smoother.

## 05

Development time:
12 - 24 months

Police Vehicle Cams:



### POLICE VEHICLE CAMERA SYSTEMS

**Police In-Car Camera Systems: between the video quality, full 360° coverage, 5 year warranty, and industry-leading features, the Cisco Police In-Car Camera System is the best choice for your agency.**

Right now a majority of police department use police car dash camera systems. There have been some attempts to equip 360 degree police car camera to have a greater view of the situation. Currently, there is no law requiring law enforcement agencies it to equip their cars using police in car camera grants. That being stated, more and more police departments are requiring the use of in-car and body cameras for officers' shifts. Most local city police departments are purchasing and reading police in car camera reviews. There many agencies writing their own policies for in-car cameras. These Policies are unique to the local laws and ordinances which differ from county to county.
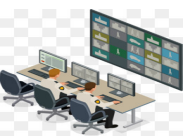
## 06

Development time:
4 - 8 months

NOC:



### SECURITY MONITORING CONTROL ROOM (DBN OFFICE)

**A Control Room is the technology tool that provides access and control to all the data with fluency, possibility of improvement and avoidance of mistakes in the core activity of companies from any sector.**

Developing studies on ergonomics, lighting, design and interiors to provide the control centre with maximum functionality and an individual character, is one of the objectives of Tan Tech, who carries out comprehensive projects that has being executed in a unique and exclusive manner to meet the needs of the clients with amasing results.

A Network Operations Center or NOC, is a centralised location where Information Technology experts and operators develop remote monitoring and management through a software of a certain IT installation or network.

# PROOF OF CONCEPT

## WWW.TANTECH.TECHNOLOGY

## OVERVIEW

Sometimes known as Proof of Principle, Proof of Concept (PoC) is, in simplicity, a plan to see if a product, idea or design can be transformed into reality.

Although this generic definition can vary according to the product, industry and other factors, POC can help check the feasibility of a concept before it is put into production. An important aspect to keep in mind is that POC does not focus on deliverables but on the feasibility of a project.

## REQUIREMENTS

Proof of Concept is helpful in testing ideas. But the effectiveness of this concept depends a lot upon the business environment. If the POC is not tested in a realistic business environment, results can be inaccurate.

• DEFINE WHAT THE BUSINESS NEED IS AND WHY YOU NEED IT

• CHECK TECHNICAL POSSIBILITIES

• ALIGN THE CHOSEN SOLUTION WITH THE BUSINESS WORKFLOW

## SOLUTION

### Prove the Need

☐ Do people really need your product? Why?

☐ Identify the problem you want to solve

☐ Precisely investigating the pain points of your target group

### Map Pain Points to Solutions

☐ Brainstorm with your team the possible approaches to solving each pain point

☐ Consider technological feasibility, unique value proposition, costs and time demands.

☐ A list of solutions for all pain points that are feasible and useful

### Get Feedback on Practical Advantages

☐ Go back to your target group and ask them if the solutions you came up with will indeed bring them the added value you anticipate.

☐ Are the solutions practical, usable, and convenient?

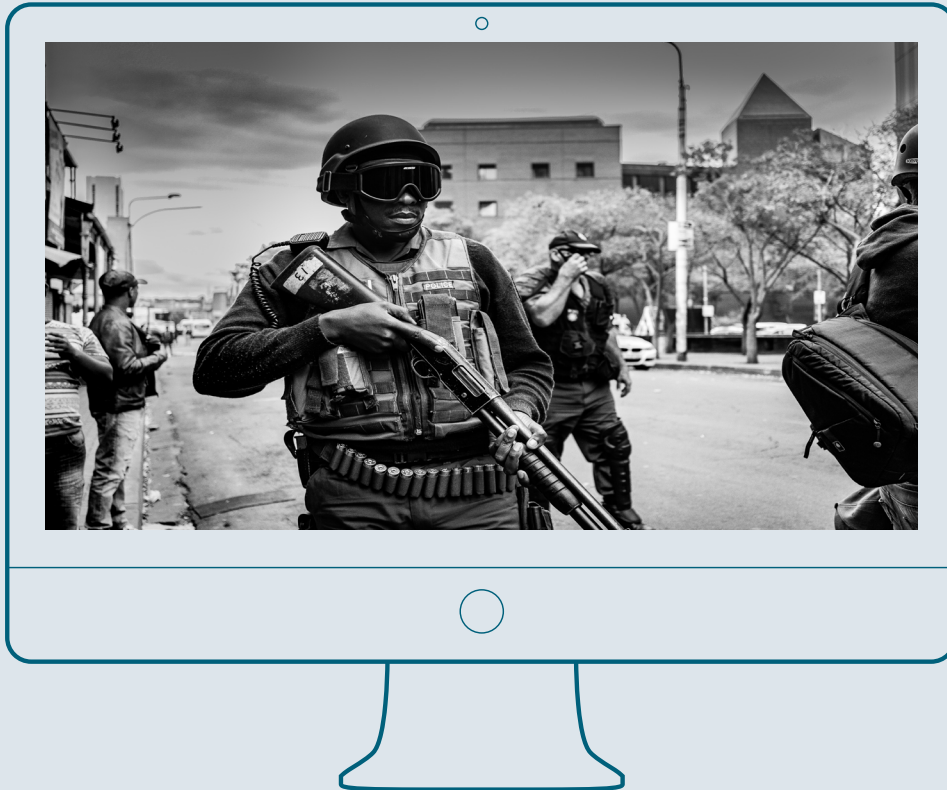☐ If the solutions turn out not to be useful, take one step back.

### Cover Practical Details

☐ Consider the technical feasibility and financial sustainability of your solution(s)

☐ Skills and capacities you need, revenue sources, pricing

☐ Figure out a way around all obstacles before you move forward

## BENEFITS OF A POC

It can help in identifying problems and thus save valuable resources. A product passed through Proof of Concept has a better chance of being successful. This is because thorough testing is done in POC and thus reduces business exposure to risk.

• Save business time and resources while improving the product

• Determining the feasibility of the market

Using a 3rd party solution is always risky, so doing a feasibility check before you choose a solution can help you avoid a lot of headaches.

A Proof of Concept (POC) allows you to determine the feasibility of the new feature without exposing the business to too much risk.

One can try out the concepts without actually developing the product. This helps in saving scarce business time and resources.

# ❝ OUR MISSION

*Tan Tech exists to help clients succeed.*

*We enable clients to expand their capabilities, maintain a technical edge, maximise returns on internal resources, grow*

*profit margins and stay ahead of competitors.*

*Tan Tech aims to provide high quality personalised IT solutions and unparalleled customer care to enhance productivity of our clients' businesses.*

þ Happy clients are the best advertisement money can't buy.

## ☆ OUR GREAT PARTNERS

• **Cisco Partnership:** Our relationship with Cisco started in 2016 with Mr. Sandise Mditshwa and has gone on to new levels and new clients that I have met through out the years including parteneships with Bytes Technology ; Altron Group; Gijima; to name just a few.

• **Westcon Group:** We buy most of our Cisco Equioment from Westcon on a credit facility based on the current Contract at hand. We also have to pass an olnline sales exam that is scheduled by Westcon in-order to be on their database as a Dealer.

• **BLUE NETWORKS AND INFRASTRUCTURE (Pty) Ltd:** In January 2022 Tan Tech signed on a Teaming up Agreement with BNI in Midrand to assist with the Call centre and data Centre Infrusucture. They have not factored in their costs unit the deal in made with therelevant stakeholders.

• **Rectron Group:** We purchse all our hardware and software form Rectron as a Ditributor. All these companies have offices around gauteng but also have other branches nationally in South Africa.

## T NGOMANE

*Managing Director*
*Tan Tech (PTY) Ltd.*

## SB CINGO

*Sales & Marketing Director*
*Tan Tech (PTY) Ltd.*

## MK NGOMANE

*Production Director*
*Tan Tech (PTY) Ltd.*

Tandwa Ngomane started working in the IT industry in 1993 and has worked for various reputable companies nationally and internationally in the Financial and Information Technology industries and started being an intrepreneur in 2003 and in that has worked in a family business in logistics; Farming and Construction to name a few.

Siyavuya Brian Cingo has been in the energy (Oil & Refinery) industry for over 18 years. He has been involved and educated in this industry internationally in helping clients in all walks-of-life and also in digital advertising; marketing and printing. This has involved working with countries like Saudi Arabia and many African Countries and has also worked in the Mining Logistics industry.

Khayelihle (Mhlophe) Msuthu Ngomane started as a fine arts artist that is sell taught before embarking on Graphic Designing. He studied Interior Designing at Natal Technikon and moved after 2 years to study Grphic Designing at Varsity College in Pietermaritzburg. He has done well over 50 websites and thousand of logos and other graphics work.

**At Tan Tech, Tandwa will be dealing with the direction the company takes; investments; long term goals and research. He will also be responsible for all the IT requirements and all teaming agreements and maintenance of SLA agreements with various stakeholders.**

**At Tan Tech, Siyavuya will focus in dealing with the promotion of the company iwith government entities and private client requests. He will also deal with the media aspect of the business in prmotional marketing requirements; advertising and research.**

**At Tan Tech, Khaya's role is to be the Director in Production and Design that will involve Graphic Designing; Video Editing; Audio Editing and also be responsible for all Digital Social Media events with the company.**

þ Yesterday is gone.
Tomorrow has not yet come.
We have only today.
Let us begin.

# FUTURE PLANS

We have many ideas and concepts from vehicle theft; public safety; reduction of road accidents by implementing various technologically advanced methods in South Africa for all road users similar to European standards and thus saving gorvernment; insurance companies and the public billions of rand. Reduction of the death carnage in Our Public Roads in South Africa is paramount to all of us in our country and the usage of technologically advance hardware and software can help law enforcement and safety & Rescue together with Tan Tech improve such conditions.

We at Tan Tech think that the strategies that are implemented i.e. Arrive Alive have a wrong approach but excellent idea to public safety as such idea and visibility are only implemented during festive seasons. Road education and literacy should be a daily operation and be infused into the minds of everyone!          *Ask us how and you shall Receive!!*

þAt Tan Tech we strongly believe that technology revolves all the time and new discoveries are all around us. Our people have ignored a lot of things that can make their daily lives much more easy and curb a lot of crime and reduce wastage.

þAt Tan Tech we are currently testing a lot of new technologies to advance the well being of our people; their livelihoods and improve the status of our government and costs of live and livelihoods. We have a lot of products to offer in developing our country.

þOur main challenges to us are capital investment that will enable us to keep valuable staff to finish research; protecting our intellectual capital and sharing of resources and brainstorming as large companies end up stealing our ideas.

## 2022 — 2023 — 2024

### Police Body Cams

**Priority-Ranked Video Audit software, which helps supervisors sift through the thousands of hours of body cam footage.**

☐ Artificial intelligence algorithm that identifies keywords, such as profanity, racial slurs or other red flags.

☐ Direct to Cloud Storage.

☐ Facial Recognition power by Artificial Intelligence

### Police Vehicle Cameras

License-plate readers are an increasingly popular way for the police to find stolen cars and catch up with people with expired licenses or active warrants. Plate readers are often affixed to utility poles or freeway overpasses, scanning the passing traffic below.

The in-car system and body cameras within 30ft. can be triggered simultaneously to activate automatically when the vehicle lights are activated.

• Built-in WI-FI: your files can upload automatically when your patrol cars pull into range of your wireless network.

• In-Filed Tagging: lets you tag a piece of evidence immediately after events happen.

Protect your officers with body-worn and in-car video, gather evidence with interview room systems and manage the evidence you gather.

### Amendments & Legislation

**South African traffic officers will be issued with body cameras to help gather evidence and improve the conviction rate for traffic law violators.**

☐ Road Traffic Management Corporation (RTMC) rolls out the use of body cameras within the fraternity over the next 3 to 5 years.

☐ Every interaction a traffic law enforcement officer has with a motorist will be recorded.

☐ Officers will then be deployed strategically to respond using the live intelligence supplied by technology.

### Teaming Agreements

Tan Tech has existing Teaming up Agreements with various stakeholders to ensure that all the work we do runs smoothly for this project.

• Data Centre Management.

• Call Centre Management.

• Archiving; Data Retrieval and Off-Site Data Storage.

Teaming agreement gives our business a better chance of securing a tender so a teaming agreement is a worthwhile option to consider if you want to tender for work but don't think that, on your own, you will secure the tender.

### Control Comms Room

**Allows you to transform your system by supporting integration of multiple data sources, content interactivity, and collaboration regardless of your team's physical location.**

☐ Interactive and Collaborative.

☐ Remote Access.

☐ Real-Time Streaming.

### SLA & Warranty Claims

A service level agreement (SLA) is a documented agreement between a service provider and a customer that identifies both the services required and the expected level of service.

• Review or monitoring: How often the Service Provider and Customer may review the SLA.

• Service credits: Something the Service Provider may offer in case your SLA is not achieved.

• End-of-contract: Defining how and when Customer or Service Provider can opt out of the SLA.

A service provider understands the need for a service level agreement with their partners and customers.

![TANTECH TECHNOLOGY — Innovate, Connect, Inspire.]

## Contact us

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## Get more online

Let's start a conversation by asking us how we can help you!

Please do not hesitate to visit our website or come to our offices or contact us via e-mail or by telephone.