

Business Profile of **TECHTRON SYSTEMS LIMITED**

- Network & Infrastructure
- IT Security
- Digital Transformation
- Advisory Services & Training



WHO WE ARE

Techtron Systems Limited has established itself as a force to be reckoned with in delivering IT infrastructure services and solutions to clients in West Africa and beyond.

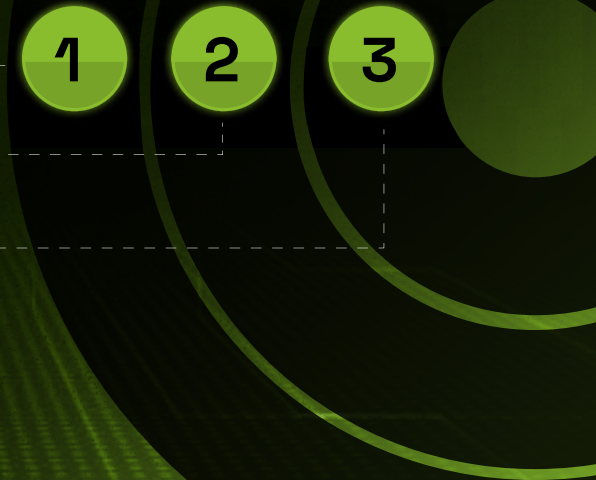
At TSL, we design, build and provide solutions for business applications and core infrastructure including systems and storage, data centers and enterprise wide communication and networking. Our in-depth industry knowledge and technical expertise and flexible delivery models help customers harness the best out of their IT investments by creating a reliable and scalable infrastructure.

Our systems integration services have a comprehensive portfolio of implementation, support and consulting services solutions with exceptional people supporting business technology in action – talented professionals who bring technical insight, process excellence and resource flexibility to help customers in various verticals. Our Solutions and Services portfolio is one that spans across all areas relating to the needs of an enterprise.

WHAT WE DO

Product Overview

- 1 Enterprise Security Solution & Service
- 2 Enterprise Network & Infrastructure Solutions
- 3 Digital Transformation Solutions





NETWORK & INFRASTRUCTURE SOLUTION

Networks are the core of modern communication. A fast, reliable and secure network is what businesses look at creating when it comes to driving business operations.

Organizational productivity and effectiveness depends on the type of network being deployed in the premise. TSL Network Integration solutions and services team understands the current business trends and organizational requirements and designs networks to suit organizational needs that are compliant with today's industry standards.

TSL offers advisory, design and implementation services for Companies to achieve their operation connectivity, business continuity, disaster recovery, and consolidation goals.

ENTERPRISE NETWORK SOLUTION



1

Campus/Branch Network Solution

Provide access to any application in minutes, without compromising on security.

Gain superior awareness of what's hitting your network. Routing, Switching , Branch Network Function Virtualization (NFV), Software defined Campus.

2

WAN Network Solution

Provide Transport -Independent design, Intelligent Path Control, Application optimization with secure connectivity - Software defined WAN, WAN Optimization.

3

Collaboration Solution

Accelerate teamwork and create more meaning customer experiences Provides cutting-edge solutions for enterprise collaboration, teleconferencing, contact center, video surveillance. Audio, Video, and Web Conferencing.

4

Wireless & Mobility

Provide secure borderless connectivity. Deliver personalized, location-based experiences Deliver enterprise-class Wi-Fi connectivity for all their devices Let employees work securely the way they want, but put fewer demands on IT.

DATA CENTRE NETWORK

1

Converged Infrastructure

Rapidly deliver data center applications and solutions using an integrated infrastructure combining compute, networking, servers, storage and virtualization tools on a prequalified turnkey appliance.

3

Datacentre Network Automation

Building an application centric infrastructure to facilitate application agility and data center automation. Also integration of Network & Application monitoring solutions.

2

Hyper-converged Infrastructure

Bring new levels of operational efficiency and adaptability to your data center by virtualizing all the components of the converged infrastructure.

4

Server and Storage Solution

Server solutions that reduce costs and complexity legacy and Software defined Storage.

DATACENTRE & NETWORK INFRASTRUCTURE

DATACENTRE ENERGY

This includes Power Solution

STRUCTURED & UPS (POWER) CABLING

Network Cabling and Power Cabling
for the Enterprise.

PHYSICAL SECURITY

Access Control System & Video
Surveillance.

DATACENTRE SAFETY & MONITORING SYSTEM

Environmental and Power Monitoring
System, Fire Detection & Suppression,
Floor & Containment.

INTERNET OF THINGS

 techtronsystems.org

1

INTERNET OF THING

Intelligence beyond boundaries – extending connectivity to everyday objects or physical devices.

2

INDUSTRIAL INTERNET OF THINGS

Using sensors to enhance industrial processes.

ENTERPRISE IT SECURITY SOLUTION & SERVICES

Today's threat landscape is dynamic. The proliferation of disruptive technologies like mobile, social, cloud and big data has been increasingly impacting protection strategies. These technologies will continue to add to the complexity and drive the security needs of the IT infrastructure and information assets. They will also challenge integrity of current security controls and will risk enterprise data and intellectual property (IP).

Thus, it's important that businesses have a strategy to deliver effective enterprise security risk management and situational awareness using defense-in-depth strategies, monitoring, analysis and reporting.

At TSL, we draw on our deep expertise of a large pool of experienced security professionals to offer IT security solutions that address the key challenges faced by enterprises today. Our IT security services aim to improve the agility, flexibility and cost effectiveness of the next generation needs of information security and compliance programs.

ENTERPRISE IT SECURITY SOLUTION & SERVICES

PRODUCT PORTFOLIO



ENTERPRISE NETWORK SECURITY

1

Perimeter/Gateway Security

We help to establish perimeter security for security controls implemented at the internet facing edge of the corporate network to ensure protection of data and users residing in the network. This can include multiple technology solutions like Firewall, Intrusion detection/prevention systems, Gateway Anti-virus/Anti-spam, VPN etc. to protect the network form external threat and attacks.

2

Unified Threat Management (UTM)

TSL offers Unified Threat Management (UTM) is an all- inclusive security product that has the ability to perform multiple security functions in one single appliance: network firewalling, network intrusion prevention and gateway antivirus (AV), gateway anti-spam, VPN, content filtering, load balancing ,data leak prevention and on appliance reporting.

3

Web, Email and Cloud Traffic Security Protection

Design to secure all inbound and outbound traffics.

4

Web Application Firewall for selected applications (WAF)

Context aware firewall for all critical application on premise or cloud.

IDENTITY AND ACCESS MANAGEMENT SOLUTIONS

1 Multi-factor Authentication

Two-Factor Authentication is a part of the broader family of multi-factor authentication, which is a defence in depth approach to security. TSL offers enterprises a wide range of user authentication options to help positively identify users before they interact with mission-critical data and applications through VPNs & WLANs, Email, Intranets & extranets, Microsoft Windows desktops, Web servers and Other network resources.

2 Secured Trusted Access(STA) for Cloud

TSL offers Secured Trusted Access to streamline cloud identity management, eliminate password hassles for IT and users, provide a single pane view of access events across your cloud estate and ensure that the right user has access to the right application at the right level of trust.

3 Privilege Access Management Solution (PAM)

We offers Privileged Account Management Solution that allows IT administrators to work on systems without exposing administrator or supervisor passwords, or root-account credentials. It manages, controls and records privileged account activities for all credential-based systems across physical and virtual environments.

4 Cloud Authentication Brokers (CASB)

Context Control all device authentication and authorization to cloud.



ENTERPRISE DATA & HOST PROTECTION SOLUTION

1 **Data Protection & Privacy** (Database, VM, Network, Storage, Application & File)

We offers the only complete enterprise encryption portfolio that provides persistent protection of sensitive data at all critical points in its lifecycle. Our data encryption and cryptographic key management products enable organizations to secure sensitive data in databases, applications, storage systems, virtualized platforms, and cloud environments.

2 **Secured Key Management & HSMs**

TSL offers centralized key management platform that offers full lifecycles management of all key types and HSM's that can serve as a general purpose, PKI and EFT based operations.

3 **Endpoint Security and Data Loss & Prevention Solution (DLP)**

Data Leakage Prevention (DLP) is the technology utilized to prevent intentional sharing or accidental loss of corporate confidential data to the external users. The data receding in the corporate network are classified and appropriate DLP policies are enforced to protect the data according to the classification levels We implements DLP at multiple levels as mentioned bellow. Network DLP installed at the network perimeter to analyze the network traffic to detect sensitive data transfer that violates security policies.

4 Antivirus Solutions

We offers context aware, machine learning and artificial intelligence based antivirus solutions that offers holistic protection to enterprise assets.

5 Data Classification Solution

Big data, data governance and data management – these are everyday challenges for all organisations today. Data categorisation with Boldon James Classifier helps you identify the context as well as content of data, and critically extends classification beyond the security domain to ensure you a holistic view of data.

DATA CLASSIFICATION FOR:

Data at Rest

- Discover and Classify Legacy Data
- Classification Of Files
- Classification In The Cloud

Data in Use

- Classifying Office Documents
- Classifying CAD Documents

Data in Motion

- Classifying Email

ENTERPRISE BACKUP & DISASTER RECOVERY SOLUTION

(DATABASE,VM,CLOUD,STORAGE,APPLICATION & FILE
– BACKUP & RECOVERY FEATURES)

We offers the smarter” and self-governing data backup and recovery platforms that ensures data is available across any on-premise and cloud infrastructure. Backup and Recovery Availability Platform is the most complete solution for helping customers on the journey to improved data management to support better business outcomes.

Our Backup & Disaster Availability Platform Capabilities :

- 360 Degree Backup & Replication - All on-premise,VM & Cloud platforms
- Automation & Orchestration
- Monitoring & Analytics
- Enterprise Data Labs
- Cloud & SaaS Backup/Recovery
- Universal API's & Integration
- Virtual(VM) : Protect your virtual environments with our Backup and Replication



ENTERPRISE MONITORING AND PERFORMANCE MANAGEMENT SOLUTION

1 **Security Analytics & Management (SEIM)**(On-premise and Cloud)

We offer enterprise SEIM Solutions that can centrally detect and respond to threats anywhere they appear - public clouds, on premise networks, endpoints, SaaS apps, even the dark web. Eliminate blind spots and gain control over shadow IT. This platform offers collection, analysis and management of all corporate enterprise logs.

2 **Secured File Integrity Monitoring – Apps, Transaction and Change (FIM)**

We offers enterprise file Integrity, application controls and change managements platforms for systems, networks, ATM', POS and others

3 **Database Activity Monitoring Solution**

Solution that monitors all database servers on premise and cloud.

4 **Networks & Application Performance Solution**

Enterprise platforms that manage, monitor and optimize application performance

VULNERABILITY MANAGEMENT, PATCH & REMEDIATION TOOL

SINGLE PLATFORM THAT SCANS, REMEDIATE
AND DOWNLOAD PATCHES (CARTA FRAMEWOK)

1 Enterprise Network Auditing

Provides a detailed analysis of the state of your network. This includes applications or default configurations posing a security risk. Gives a complete picture of installed applications; hardware on your network; mobile devices that connect to the Exchange servers; the state of security applications (antivirus, anti-spam, firewalls, etc.); open ports; and any existing shares and services running on your machines.

2 Vulnerability Assessment & Management

More than 60,000 vulnerability assessments are carried out across your networks, including virtual environments, mobile and network devices. Scans your operating systems, virtual environments and installed applications through vulnerability check databases such as OVAL and SANS Top 20. Our Solution enables you to analyze the state of your network security, identify risks and address how to take action before it is compromised.

3 Networks & Application Performance Solution

Patch management is vital to your business. Network security breaches are most commonly caused by missing network patches. Here you can scans and detects network vulnerabilities before they are exposed, reducing the time required to patch machines on your network. We provides platform that patches Microsoft®, Mac® OS X®, Linux® and more than 60 third-party applications, and deploys both security and non-security patches.

MOBILE, APPLICATION, CLOUD - MANAGEMENT & SECURITY SOLUTIONS



1 Mobile & Cloud Security

Cloud applications like Office 365 were designed to be accessed directly through local internet breakouts. For Instance Zscaler, a cloud security solution enables local breakouts with full security controls.

We deliver the DMZ as a service, with AV inspection, Next-Gen Firewall, Sandbox, Advanced Threat Protection, URL Filters, SSL Inspection.

2 Mobile Device Management for BYOD/BYON/BYOA

Management of all network agent payment devices across locations

3 Static & Dynamic Application Security Static Application Security Testing (SAST)

SAST solutions such as Source Code Analysis (SCA) have the flexibility needed to perform in all types of SDLC methodologies

4 Dynamic Application Security Testing (DAST)

Black Box testing is ideally suited for Waterfall environments, but falls short in the more progressive development methods due to its inherited limitations. DAST tools can't be used on source code or uncompiled application codes, delaying the security deployment till the latter stages of development.

ENTERPRISE SECURITY ASSURANCE, GOVERNANCE, RISK AND COMPLIANCE



Vulnerability Assessment & Penetration Testing (VAPT)

Security assurance is the foundation enterprises need to build for determining trustworthiness of features, practices, processes, procedures and architecture of the information system. Security assurance services assist clients across a wide range of industry verticals in determining the compliance level of the technical security controls with applicable regulations, legislative and standard requirements such as PCI DSS, UK DPA, HIPAA and ISO 27001.

Technical security assessments comprise vulnerability assessments and penetration testing of all the system components that include business applications, databases, secure network perimeters, systems and network infrastructure, mobility solutions and virtualized cloud environments for global client base.

Governance, Risk and Compliance (GRC)

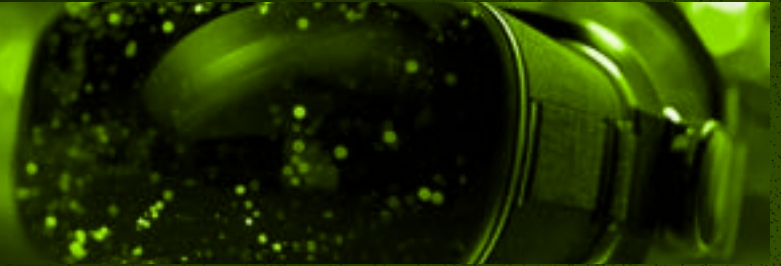
We also help our customers build an information security risk office (IS/RO) using IT security solutions, or transform any existing IS/RO offices that might be working in silos or on fragmented/ad-hoc requirements today.

Process: Policy and procedure definition, gap analysis, re-baselining, risk assessment framework setup, ITSM, metrics, KPI's periodic audits, exec reports.

People: ISMS awareness, rollout roles and responsibilities, 3rd party security assessments, contractual compliance, access reviews privileged user compliance.

Data: Data governance, ownership, classification, labelling, data risk assessment, cross border protection, data protection act, PII compliance

ENTERPRISE DIGITAL TRANSFORMATION SOLUTIONS



You need an approach to digital transformation that balances competing priorities.

As opposed to maintaining mission-critical systems where you need certainty and a predictable plan, creating innovative applications with unclear requirements demands agility to test new approaches.

Your digital transformation strategy must clearly segment your applications by the problems they address, their rate of change, and the distinctiveness of the business capabilities they facilitate.

Business Optimization Solution

Microsoft Technologies(Azure, O365 & Power BI), Business Process Automation, ITSM, Management File Transfer(MFT) and Other enterprise Solutions.

Cloud Computing

IAAS, PAAS & SAAS (Azure, AWS and others)

Virtualization

Rethinking virtualization in business terms helps organizations to realize the full potential of technology and gain better business. We offers VMWare, Hyper-V and other VM platforms.

OUR GLOBAL PARTNERSHIP



TECHNOLOGICAL PARTNERS



OUR CUSTOMERS





THANK YOU!

Any questions?