



BROOKFOX
TECHNOLOGIES LIMITED

COMPANY PROFILE

ENTERPRISE TECHNOLOGY

Technology that moves **Africa** forward.

Brookfox Technologies designs, builds and secures enterprise systems for the public and private sector: from ERP and data platforms to AI, payments, document automation and cybersecurity.

Enterprise Software • Data & AI • Integration
Infrastructure • Cloud • Cybersecurity • Industry Solutions

Incorporated 2018
Nairobi, Kenya
Africa and Asia delivery
Partners in USA and Europe

ABOUT BROOKFOX

01 Who We Are

EST. 2018 • NAIROBI

Brookfox Technologies Limited is a Kenyan enterprise technology company delivering software, data and security solutions to organisations across Africa.

We help governments, institutions and businesses modernise how they operate: replacing manual and fragmented systems with integrated, data-driven platforms that are secure, sustainable and built to scale. Our work spans the full technology life cycle, from advisory and solution design through build, integration, deployment, security and long-term support.

We are technology partners, not just suppliers. Every engagement is measured by the outcome it delivers for the client, and every system we build is designed to be owned, operated and extended by the institutions we serve.

2018

Incorporated in Kenya

Nairobi

Head office and delivery hub

4

Service groups, 12+ capabilities

Global

Africa and Asia delivery; partners in USA and Europe

OUR MISSION

To deliver enterprise-grade technology that is dependable in the field, defensible against threats, and genuinely owned by the institutions we serve, so that African organisations run on systems they can trust.

HOW WE ARE DIFFERENT

- ◇ **Security first.** Protection is designed in, not added later.
- ◇ **Vendor neutral.** Open standards and the right tool for the job.
- ◇ **Built to hand over.** Full ownership, documentation and skills transfer.

OUR PROMISE

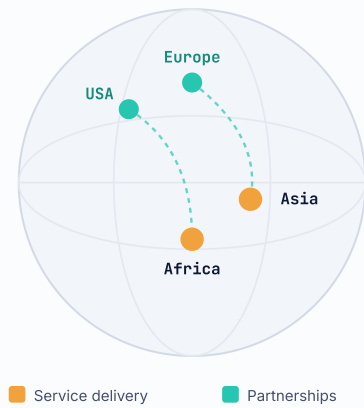
We combine **deep engineering** with **disciplined delivery**. Systems are built on proven, open technologies, hardened to recognised security standards, and handed over complete, so our clients are never locked in and never left behind.

WHERE WE WORK

Global Reach

AFRICA • ASIA • USA • EUROPE

We deliver services across Africa and Asia, backed by technology partnerships in the USA and Europe that bring world-class capability to every engagement.



SERVICE DELIVERY

Africa

Asia

On-the-ground delivery, local presence and responsive support for clients across African and Asian markets. [Insert key countries served.]

PARTNERSHIPS

USA

Europe

Strategic partnerships with technology providers and specialist firms in the USA and Europe extend our bench with global expertise, tooling and standards. [Insert named partners where applicable.]

LOCAL DELIVERY, GLOBAL STRENGTH

Clients get the best of both: teams that are **present and responsive in-region** across Africa and Asia, reinforced by **international partnerships** that bring proven technology and specialist skills from the USA and Europe.

WHAT WE DO

02 Our Capabilities

4 SERVICE GROUPS

Our services span four connected groups: enterprise software, data and intelligence, infrastructure and cloud, and specialised industry systems. Engage any single capability, or combine them into an end-to-end programme, including the system integration that ties existing standalone systems together.

A Enterprise Software**Enterprise Resource Planning**

Finance, HR & payroll, procurement, operations

Document Management & Automation

ECM, digitisation, workflow

Payment Solutions

Mobile money, cards, revenue collection

B Data, AI & Integration**Data Management**

Warehousing, governance, analytics

AI & Machine Learning

Prediction, NLP, computer vision

System Integration

Connecting standalone systems

C Infrastructure, Cloud & Security**Infrastructure & Networking**

Networks, data centres, servers

Cloud & Managed Cloud

Migration, hybrid, managed operations

Cybersecurity & Audit

Pen testing, SOC, systems audit

D Industry Solutions & Specialised Software

ON-DEMAND · RESELLER & INTEGRATOR

ERP & software reselling

Licensed ERP and business software

Traffic & intelligent transport

Signals, ITS, tolling

Energy & power systems

Power plant control, SCADA, EMS

Smart agriculture

Farm management, precision, IoT

Water & utility management

SCADA, billing, smart metering

Industrial automation

SCADA, PLC/HMI, IIoT

PRACTICE AREA 01

01 Enterprise Resource Planning

ERP

We implement and integrate ERP systems that unify finance, human resources, procurement and operations on a single, dependable platform.

Fragmented spreadsheets and disconnected systems slow institutions down and hide the truth about performance. We deliver ERP that gives leadership one accurate, real-time view, and gives staff tools that are genuinely easier to use than the manual processes they replace.

WHAT WE DELIVER

- ◇ **Financial management:** general ledger, budgeting, accounts payable and receivable, fixed assets and reporting.
- ◇ **Human resources and payroll:** employee records, payroll processing, leave, performance and self-service.
- ◇ **Procurement and supply chain:** requisitions, purchasing, vendors, inventory and stores.
- ◇ **Operations:** project management, billing, CRM and role-based dashboards.

HOW WE ENGAGE

- ◇ **Implementation and configuration** aligned to each client's processes and policies.
- ◇ **Customisation and module development** where standard functionality is not enough.
- ◇ **Data migration** from legacy and manual systems, cleaned and reconciled.
- ◇ **Integration** with tax, banking, payments and government platforms through secure APIs.

PLATFORMS AND TECHNOLOGIES

Odoo

ERPNext

Microsoft Dynamics 365

Oracle and SAP integration

Custom ERP builds

REST and SOAP APIs

PostgreSQL

Role-based access control

THE OUTCOME

One integrated system, one version of the truth: faster close cycles, cleaner audits, tighter controls, and leadership decisions based on **live, reliable data** rather than reconciled guesswork.

PRACTICE AREA 02

02 Artificial Intelligence and Machine Learning

AI / ML

We build machine learning and AI solutions that turn data into foresight: predicting, classifying and automating to support better and faster decisions.

Our approach is disciplined and transparent. Every model is trained on governed, quality-assured data, validated against clear metrics, and shipped with documentation and explainability, so results can be trusted and acted upon. We do not deploy black boxes.

WHAT WE DELIVER

- ◆ **Predictive analytics and forecasting** for demand, risk, revenue and early-warning intelligence.
- ◆ **Natural language processing:** chatbots, document classification, search and text analytics.
- ◆ **Computer vision** for image, document and quality inspection use cases.
- ◆ **Anomaly and fraud detection** and recommendation engines.

RESPONSIBLE DELIVERY

- ◆ **Model lifecycle:** framing, data preparation, development, validation and deployment.
- ◆ **Explainability and validation** so every prediction can be understood and defended.
- ◆ **MLOps:** versioning, monitoring and drift detection for models in production.
- ◆ **Human in the loop** where decisions carry weight.

TECHNOLOGIES AND FRAMEWORKS

Python

TensorFlow

PyTorch

scikit-learn

spaCy and NLTK

MLflow

Pandas

Cloud AI services

RStudio and Posit

THE OUTCOME

Decisions informed by evidence, not instinct: earlier warnings, fewer losses, and automation of the repetitive work, freeing skilled people to focus on judgement and **the decisions that matter**.

PRACTICE AREA 03

03 Data Management

DATA PLATFORMS

We build the data foundation that everything else depends on: integrated, governed and analytics-ready, so an organisation can trust every number it reports.

Most institutions hold enormous value in data that is trapped in silos, inconsistent, or impossible to reconcile. We consolidate it into well-governed data platforms with clear lineage and quality controls, then make it accessible through dashboards and analytics that people actually use.

WHAT WE DELIVER

- ◇ **Data warehousing and data lakes** consolidating data from many source systems.
- ◇ **ETL and ELT pipelines** and multi-system integration through secure interfaces.
- ◇ **Master data management** and reconciliation across financial, HR and operational systems.
- ◇ **Business intelligence:** dashboards, reporting and self-service analytics.

GOVERNANCE AND QUALITY

- ◇ **Data governance** with catalogue, lineage, ownership and stewardship.
- ◇ **Data quality frameworks:** completeness, timeliness, validity and consistency.
- ◇ **Data migration** from legacy platforms, cleaned, mapped and verified.
- ◇ **Audit-ready** access control and logging across the data estate.

TECHNOLOGIES AND STANDARDS



THE OUTCOME

A single, trusted source of truth: reports that reconcile, dashboards leadership can rely on, and data that is **governed, traceable and ready** for analytics and AI.

CROSS-CUTTING CAPABILITY

System Integration

CONNECTING STANDALONE SYSTEMS

Most organisations already run a patchwork of standalone systems that do not talk to each other. We connect them, so data flows automatically and every system works from the same source of truth.

Rather than replace what already works, we integrate it. Using secure APIs, middleware and data pipelines, we link finance, HR, tax, banking, payments and legacy platforms into one coherent, automated whole, removing double entry, reconciliation errors and blind spots.



WHAT WE INTEGRATE

- ◇ **ERP, finance and treasury** systems.
- ◇ **HR, payroll and pensions** platforms.
- ◇ **Tax, banking and payment** gateways.
- ◇ **CRM, billing and legacy databases**.

HOW WE INTEGRATE

- ◇ **Secure APIs** (REST and SOAP) and web services.
- ◇ **Middleware and enterprise service bus** patterns.
- ◇ **ETL and data pipelines** for scheduled and real-time sync.
- ◇ **Reconciliation and monitoring** so nothing is lost.

THE OUTCOME

Standalone systems become one connected platform: **no more double entry**, no more conflicting numbers, and a single automated flow of trusted data across the organisation.

PRACTICE AREA 04

04 Payment Solutions

PAYMENTS AND REVENUE

We build and integrate payment and revenue collection systems that are fast, reconciled to the cent, and secured to international standards.

Whether the goal is collecting public revenue, accepting customer payments, or disbursing funds at scale, we connect the channels people actually use, mobile money, cards and bank transfers, and wrap them in the controls that keep money and data safe.

WHAT WE DELIVER

- ◇ **Mobile money integration** including M-Pesa (Daraja API), USSD and wallet services.
- ◇ **Card and gateway integration** for online and point-of-sale acceptance.
- ◇ **Revenue collection and e-ticketing** for public and private operators.
- ◇ **Billing, disbursement and automated reconciliation.**

SECURITY AND CONTROL

- ◇ **PCI DSS aligned** handling of cardholder data.
- ◇ **Tokenisation and encryption** of sensitive payment data.
- ◇ **3-D Secure and strong authentication** on card transactions.
- ◇ **Real-time reconciliation** and complete, auditable transaction trails.

STANDARDS AND INTEGRATIONS

M-Pesa Daraja API

PCI DSS

ISO 8583

USSD

Card processing

3-D Secure

Bank and switch integration

Tokenisation

THE OUTCOME

More revenue captured, leakage closed, and every shilling accounted for: payment channels customers trust, reconciled automatically, and secured to **recognised international standards.**

PRACTICE AREA 05

05 Document Management and Automation

ECM AND WORKFLOW

We retire paper and manual routing with enterprise content management and workflow automation that make records findable, secure and fast to act on.

Lost files, slow approvals and unauditable paper trails cost institutions time, money and trust. We digitise records, organise them under proper governance, and automate the workflows that move them, so approvals happen in hours, not weeks, and every action is traceable.

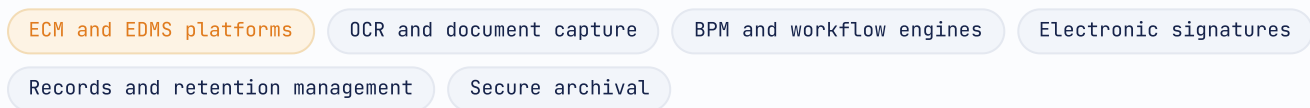
WHAT WE DELIVER

- ◆ **Enterprise content management (ECM and EDMS)** for secure, searchable document storage.
- ◆ **Digitisation and OCR** to convert paper archives into structured, searchable records.
- ◆ **Workflow and business process automation** for approvals, routing and case management.
- ◆ **Records management** with retention schedules and secure archival.

CONTROL AND COMPLIANCE

- ◆ **Version control and full audit trails** on every document.
- ◆ **Electronic signatures** and approval workflows.
- ◆ **Role-based access** and classification of sensitive records.
- ◆ **Integration** with ERP, email and line-of-business systems.

TECHNOLOGIES AND CAPABILITIES



THE OUTCOME

Paperless, traceable operations: documents found in seconds, approvals that move in hours, and a **complete, auditable record** of who did what, and when.

PRACTICE AREA 06

06 Cybersecurity, Audit and Penetration Testing

TEST • DETECT •
DEFEND

We protect systems, data and users through defence-in-depth, and we prove that protection by attacking it ourselves through controlled, ethical penetration testing.

Security is not a product you buy once; it is a discipline. We combine proactive offensive testing that finds weaknesses before adversaries do with layered defensive controls and continuous monitoring, all aligned to recognised international frameworks.

OFFENSIVE SECURITY (ETHICAL HACKING)

- ◆ **Penetration testing** of networks, web and mobile applications and APIs.
- ◆ **Vulnerability assessment** and continuous scanning.
- ◆ **Red teaming** and social-engineering assessments.
- ◆ **Secure code review** and security testing in the development pipeline.

DEFENSIVE SECURITY AND OPERATIONS

- ◆ **Security hardening** and zero-trust architecture.
- ◆ **Network security:** firewalls, intrusion detection and prevention (IDS and IPS).
- ◆ **Threat detection and response** with SIEM and security monitoring.
- ◆ **Identity and access management, MFA,** encryption and key management.

SYSTEMS AUDIT, GOVERNANCE AND COMPLIANCE

IT systems audit

Penetration testing

ISO 27001

NIST CSF

OWASP

SIEM and SOC

Vulnerability management

Configuration review

Incident response

Compliance audit

THE OUTCOME

Threats found and fixed before they are exploited, attacks detected and contained fast, and a security posture that stands up to audit, so leadership can trust that systems and data are **genuinely defended**.

PRACTICE AREA 07

07 Infrastructure & Networking Solutions

NETWORKS • DATA CENTRES

We design, build and support the network and hardware foundation every system runs on: reliable, secure and ready to scale.

From a single office to multi-site and multi-country networks, we deliver the connectivity, computing and resilience that keep operations running, and we support it long after go-live.

WHAT WE DELIVER

- ◆ **Network design and implementation:** LAN, WAN, SD-WAN, VPN and segmentation.
- ◆ **Structured cabling and data centres:** racks, power and cooling.
- ◆ **Servers, storage and virtualization:** on-premises compute and hyperconvergence.
- ◆ **Wireless, mobility and unified communications** including VoIP.

RESILIENCE AND OPERATIONS

- ◆ **Network security appliances:** firewalls, intrusion detection and prevention.
- ◆ **Backup and disaster-recovery** infrastructure with tested restore.
- ◆ **Power protection:** UPS, generators and environmental monitoring.
- ◆ **24/7 monitoring, management** and SLA-based support.

TECHNOLOGIES AND VENDORS

- Cisco
- MikroTik
- Fortinet
- VMware
- Windows Server
- Linux
- Ubiquiti
- Veeam
- SD-WAN

PROVEN AT SCALE

We have delivered and secured wide-area networks, VPNs and disaster recovery across **multiple countries**, including low-connectivity environments, keeping distributed teams online and protected.

PRACTICE AREA 08

08 Cloud Computing & Managed Cloud Services

PUBLIC • PRIVATE •
HYBRID

We move workloads to the cloud and run them for you: secure, cost-optimised and always available.

Whether you are migrating a single system or building cloud-native, we plan the move, execute it safely, and then operate the environment day-to-day so your team can focus on outcomes.

CLOUD SERVICES

- ◇ **Cloud strategy and migration** with right-sizing and modernisation.
- ◇ **Public, private and hybrid cloud** architecture.
- ◇ **Cloud-native and containerisation:** Docker and Kubernetes.
- ◇ **Productivity suites:** Microsoft 365 and Google Workspace.

MANAGED CLOUD

- ◇ **24/7 monitoring and operations** of your cloud estate.
- ◇ **Patching, backup and recovery,** and disaster-recovery-as-a-service.
- ◇ **Cloud security and governance:** identity, policy and compliance.
- ◇ **Cost optimisation** and ongoing FinOps.

PLATFORMS

Microsoft Azure

AWS

Google Cloud

Private cloud

Docker

Kubernetes

Microsoft 365

THE OUTCOME

Scalable, resilient systems without the overhead of running them yourself: **lower cost, higher uptime,** and a cloud that is monitored, secured and optimised around the clock.

ON-DEMAND SOLUTIONS

09 Industry Solutions & Specialised Software

RESELLER • INTEGRATOR

As a solutions partner and reseller, we source, supply, implement and support specialised and licensed software for sectors where operations are mission-critical.

Need a licensed ERP, a control system for a power plant, or a platform to run a large farm? We bring the right product, integrate it with your systems, and stand behind it with support.

**ERP & Software Reselling**

Licensed ERP and line-of-business software, supplied, configured and supported.

**Energy & Power**

Power generation and plant control (SCADA), energy management and smart metering.

**Water & Utilities**

Water and wastewater control (SCADA), utility billing, non-revenue-water and smart meters.

**Traffic & Transport**

Traffic control and adaptive signalling, intelligent transport systems and tolling.

**Smart Agriculture**

Large-scale farm management, precision agriculture, IoT sensors and irrigation automation.

**Industrial Automation**

SCADA, PLC and HMI programming, process control, industrial IoT and predictive maintenance.

VENDOR-NEUTRAL SOURCING

We select the best-fit product for your operation, handle licensing, and take responsibility for implementation, integration and support. [Specific partner and product details available on request.]

HOW WE DELIVER

03 Delivery and Engagement

METHODS AND MODELS

We deliver in disciplined, transparent cycles, with quality and security built into every step, and we structure engagements to fit how each client wants to work.

OUR DELIVERY METHOD

Agile and phased

Short iterations with regular demonstrations, so progress is visible and priorities stay client-led.

Quality and security gated

Testing, security checks and acceptance criteria gate every release. Nothing ships unproven.

Built to hand over

Documentation, training and full source handover, so clients own and can extend their systems.

ENGAGEMENT MODELS

◆ **Turnkey projects:** we take a solution from design to a running, supported system.

◆ **Specialist teams and augmentation:** our engineers strengthen your team on demand.

◆ **Managed services and support:** we operate, maintain and secure systems over the long term.

◆ **Advisory and assessment:** architecture reviews, security audits and technology strategy.

SECTORS WE SERVE

Government and public sector

Health

Financial services

Telecommunications

Development and NGOs

Education

Enterprise and commercial

DELIVERY ASSURANCE

A named project lead, a live risk register, regular reporting and clear acceptance criteria on every engagement, so clients always know **where a project stands** and what happens next.

WHY BROOKFOX

04 Expertise You Can Rely On

TEAM AND STANDARDS

Our strength is a multidisciplinary team that spans the full delivery chain: solution architects, software engineers, data engineers, DevOps and infrastructure specialists, database administrators, cybersecurity specialists and project managers, working to recognised professional standards.

CERTIFIED COMPETENCIES

- ◆ **Enterprise platforms:** Oracle, Microsoft and Red Hat / Linux.
- ◆ **Networks and infrastructure:** Cisco and virtualisation.
- ◆ **Security:** ethical hacking and information-security disciplines.
- ◆ **Delivery:** professional project and quality management.

STANDARDS AND PRACTICES

- ◆ **Secure software development** life cycle across every build.
- ◆ **ISO 27001 aligned** security management practices.
- ◆ **PCI DSS and NIST** frameworks for payments and security.
- ◆ **Open standards** and vendor-neutral, ownable solutions.

WHY CLIENTS CHOOSE US

Outcome focused

We are measured by the result delivered, not the hours billed.

Security first

Protection is designed in from day one and proven by testing.

No lock-in

Open technologies, full handover, and systems you own outright.

SELECTED ENGAGEMENTS · SINCE 2018

2019 · DATA PLATFORM

Government of Kenya · Public Service

National payroll data-warehouse consolidating ministry and county data for analytics and reporting.

2021 · GOVERNMENT · MULTILATERAL

Ministry of Labour, Puntland

World Bank-funded rapid assessment, requirements and roadmap for an HRMIS across 37 MDAs and 5,588 staff.

2018 ONWARD · INFRASTRUCTURE

Development programs · 8 countries

WAN, VPN, disaster recovery and Office 365 for 1,000+ users across the region, including Ethiopia and Somalia.

Also since 2018: government payroll integration with treasury, tax, banking and population systems (IFMIS, iTax, iBanking, IPRS); and ongoing support and enhancement of a national HR and payroll platform.



BROOKFOX
TECHNOLOGIES LIMITED

GET IN TOUCH

LET US BUILD WHAT IS NEXT

Ready when **you** are.

Talk to us about ERP, data, AI, payments, document automation or securing your systems. We will bring the engineering and the discipline to deliver it.



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