Built in Africa.
Engineered for the World.

Datacraft is a Nairobi-headquartered software and systems company that builds sovereign-scale technology (intelligence platforms, payment switches, national registries, enterprise systems) and structures the capital that funds them.

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$4.5B+ DEALS ARCHITECTED	**73.5M** CITIZENS REGISTERED	**$100M+** LICENSING SAVED	**16** PRODUCTION PRODUCTS	**150+** CLIENT ORGANISATIONS
12+ NATIONS SERVED	**240K** STAFF DEPLOYED	**25K+** AUTOMATED TESTS		

EXECUTIVE SUMMARY

Who We Are

Datacraft operates at the intersection of architecture and consequence: the point where a build-vs-buy decision determines whether 73 million people get registered to vote, a platform architecture determines whether a continent's intelligence agencies can share threat data, and a technology design makes a $4.5 billion investment viable.

We are three capabilities in one firm. First, a **product engineering house**: sixteen production products spanning national security, payments, education, industry, and the law, all built, tested, and operated by the same senior team. Second, a **nation-scale delivery organisation**: the leadership that delivered Africa's largest-ever IT deployment, digitized a national judiciary, and launched Google's operational presence in West Africa. Third, a **capital and transaction advisory practice**: the architecture-led deal-making that has structured over $4.5 billion in investment across venture, joint-venture, and infrastructure transactions.

These are not three departments; they are one method. The technology is never a support function to the deal, and the deal is never an afterthought to the technology. **The architecture is the investment thesis.**

> ”We build what hasn’t been built before, at scales where failure affects millions.”
>
> — Nyimbi K. Odero, Founder & CEO

ORIGIN

Why Datacraft Exists

Datacraft was founded in 2015 from a frustration earned over two prior decades inside Africa's most consequential institutions: security agencies, courts, electoral commissions, banks, and schools were running on systems designed for someone else's problems. Enterprise software imported from Europe or the United States arrived with assumptions baked in: reliable broadband, single-currency ledgers, English-first interfaces, annual release cycles. None of those assumptions held across Nairobi, Kampala, Accra, or Dakar, and the software failed the way imported software fails: not spectacularly, but quietly and constantly, eroding trust in digital systems across the continent.

Our answer was engineering pragmatism: if the right software does not exist, build it. Build it in Nairobi, deploy it in Nairobi, and earn the right to take it elsewhere only after it has survived contact with the real conditions of African operations: intermittent connectivity, multi-currency treasuries, multilingual workforces, and regulatory environments that evolve faster than release cycles. A decade later, that discipline has produced a portfolio hardened in environments where a dropped transaction is not a support ticket; it is a due-process failure, a missed payment, or an unprotected witness.

CAPABILITIES

What We Do

1 · Software & Systems Engineering

We design, build, and operate mission-critical platforms end to end: multi-tenant intelligence systems accredited to ICD 503 / NIST 800-53 / ISO 27001 standards; a multi-rail payment switch with sub-100 ms authorization, native ISO 8583 and ISO 20022, and post-quantum cryptography; AI-powered industrial inspection; national-scale education management aligned to Kenya's CBC curriculum; and the connective infrastructure (identity, authorization, observability, document intelligence) that makes a portfolio behave like a platform. Our engineering standard is unusual for the region and uncommon anywhere: tens of thousands of automated tests gate every release, critical state machines are formally verified with TLA+ model checking, and compliance evidence (PCI DSS v4, SOC 2, ISO 27001, GDPR/ODPC) is generated continuously in CI rather than assembled annually for auditors.

2 · Capital Formation & Transaction Advisory

Datacraft's leadership has raised, structured, and saved capital across every instrument that matters in African infrastructure: venture capital, private equity, joint ventures, vendor and project finance, and the build-vs-buy decisions that are a capital decision in disguise. Our distinctive position is that we underwrite technology risk from the inside, as the architects, which lets us structure transactions investors can believe: revenue models de-risked by design, capex reduced by architecture, and diligence answered with running systems rather than projections. The record is on the next page.

3 · Nation-Scale Delivery & Systems Integration

Products and capital only matter if delivery lands. Datacraft's team has fielded 132,000 machines and trained 240,000 field staff for a national registration exercise; sequenced a judiciary-wide digital rollout to 93% station adoption; and launched a global company's West

Africa operations through coalition-building with telcos, universities, and regulators. We know how to deliver into ministries, armed forces, central banks, county governments, and rural districts, because we have done it, repeatedly, in nine nations.

CAPITAL & TRANSACTIONS

The Deal Sheet

Selected transactions and capital outcomes architected or led by Datacraft's leadership. Together they demonstrate fluency across the capital stack: venture, JV/private capital, project structuring, and capital preservation, all anchored in technical architecture.

TRANSACTION	SCALE	INSTRUMENT	DATACRAFT LEADERSHIP ROLE & OUTCOME
Kebulania — Africa's largest creative-sector investment (JV with Singapore's TSC Global)	$4.5B	Joint venture / private capital	Lead technical architect. Paired a 50,000 sqm hyperscale data centre with 1 GW clean energy to create a dual-revenue model (production fees + AI compute) that de-risks the investment. Projected 10,000+ jobs and $3.5B annual economic contribution. The architecture is the deal thesis.
The Plex, Lagos — gov-tech and innovation platform	$206M	Infrastructure investment	Designed as a platform, not a building: secure multi-tenancy lets government, commercial tenants, and innovation hubs share infrastructure with classified data separation, cutting per-tenant cost ~40%.
INEC Nigeria — national voter registration	$100M+ saved	Build-vs-buy capital decision	As CTO, rejected turnkey vendor quotes that would have consumed the entire budget on hardware; built a custom Linux/C++/Qt stack instead, fielding 132,000 units and registering 73.5M citizens — Africa's largest-ever IT deployment. The register remains the foundation of Nigeria's electoral roll.
Telehouse Nigeria	$12M	Venture capital raise	Authored the business plan that closed a $12M VC round for carrier-neutral data-centre infrastructure.

Unity Bank Plc — post-merger integration	≈$120M in data-quality savings	M&A technical consolidation	Consolidated 9 banks and 12 accounting systems in 3 months; the technical diligence and consolidation work that makes bank M&A arithmetic real.
Google West Africa (GUAP)	9-country programme	Coalition / capital-efficient structuring	Structured the Google University Access Programme as a multi-stakeholder coalition of MTN fiber, MainOne concessionary bandwidth, and university campuses — keeping Google's own capital outlay minimal relative to impact.
Operating companies built — Routeworx, Technology Support Center, MindSmith, and others	$10M ARR; $30M in 8 months; IP exit $950K	Founder equity / trade sale	Five technology companies built against structural gaps: carrier-grade VoIP grown to $10M annual revenue; education technology serving Nigeria's school computerization mandate to NGN 3B in 8 months; first automated newspaper-to-web platform in East Africa with billing IP sold for $950K.

What this means for partners and investors: Datacraft can take a venture from architecture through fundable structure to delivered system, and has done so at every scale from a $12M VC round to a $4.5B joint venture. We speak the languages of the term sheet and the codebase natively, and we have saved clients more in avoided licensing and consolidation costs than most advisories bill in fees.

PORTFOLIO

Sixteen Products, One Platform

Every Datacraft product runs on a shared platform layer (unified identity and fine-grained authorization, an AI gateway, vector search, observability, and document intelligence), so each product ships with enterprise capabilities that would take a standalone vendor years to accrete. All products carry full audit trails, role-based access control, and offline-first resilience as a floor, not a feature.

National Security & Intelligence

Lindela flagship

Multi-tenant intelligence platform: 7-INT fusion (OSINT, SIGINT, HUMINT, GEOINT, SOCMINT, FININT, COMINT), AI/ML analysis, knowledge graphs, Bayesian prediction, and a 12-stage NATO-graded HUMINT lifecycle. Deployed with national agencies, IGAD, EASF, and the African Union; accredited to ICD 503, NIST 800-53, and ISO 27001 standards; elections monitoring across 290K+ stations.

MeGuard & Askari

Personal and organisational security: identity verification, threat monitoring, and incident response for individuals, enterprises, and protective operations across Kenya.

FinTech & Payments

Hyperion-X

Multi-rail payment switch: cards (Visa, Mastercard, UnionPay), instant rails (FedNow, SEPA Instant, PAPSS, UPI), SWIFT gpi/CBPR+, USSD and agency banking (Wakala) on one formally verified core, sub-100 ms authorization, zero per-transaction licence fees, post-quantum cryptography, 28,143 CI tests.

Situ (Hyperion-L)

Full-stack digital credit infrastructure for regulated lenders under the CBK Digital Credit Provider framework: origination through IFRS 9 provisioning, regulatory submission, and LP reporting.

Token-X

Multi-chain asset tokenization across Hedera, Solana, Stellar, Tezos, Algorand, and Liquid, with workflow orchestration and a compliance copilot.

Hyperion-EMV open source

Open EMV payment standards tooling, published so African fintechs stop rebuilding the same foundations.

Enterprise, Industry & Mobility

AVIS

AI-powered industrial visual inspection: YOLO detection gated to vision-language reasoning, a complete QMS (SPC, FMEA, CAPA, APQP), and a cryptographically auditable evidence chain built for IATF 16949 and FDA 21 CFR Part 11 environments. ~1,400 API endpoints.

FleetOptima

Fleet visibility and optimisation for logistics operators whose vehicles cross multiple East African borders.

dArchiva / DocFusion

Document intelligence at institutional scale: AI extraction from PDF/DOCX/XLSX into structured data, tackling the continent's paper-records problem without full-digitisation downtime.

ALE

Knowledge-graph platform with an interactive explorer and graph query API: the reasoning layer beneath education and enterprise deployments.

Education, Law & Society

Shule

Kenya CBC school management: 14 microservices covering academic records, fees (M-Pesa, Airtel, MTN, Flutterwave, AzamPay), KNEC/KEMIS integration, and CBC reporting, on LTI/SCIM/xAPI/OneRoster standards.

Wakili

AI-powered legal practice platform for Kenyan practitioners: research, drafting, citation verification, risk navigation, IP management, and a law academy.

Dada Salama CSR · open source

Open-source gender-based-violence response platform co-developed with frontline responders, because software that protects women and children should not require a procurement budget.

AppGen-X · APG · Flowforge open source

Application scaffolding, generation, and workflow tooling published for the African developer commons.

METHOD

How We Build

- **Proof over promise.** Critical state machines (payment authorization, ledger commit, failover) are verified with TLA+ model checking, a category of assurance beyond testing. 25,000+ automated tests gate releases across the portfolio; a latency regression fails the build before it reaches a client.
- **Compliance as code.** PCI DSS v4.0.1, PCI PIN, SOC 2, ISO 27001, FAPI 2.0, GDPR/ODPC, and AML/FATF evidence is generated continuously in CI. Audit preparation collapses from weeks to minutes, and drift is caught at commit time.
- **Sovereign by design.** Our platforms deploy on-premises or in the client's own tenancy; data and keys stay inside the client's trust boundary. Security architectures run to five layers, AES-256-GCM, cross-domain solutions, and insider-threat mitigation, accredited by client security organs.
- **African conditions are the primary target.** Offline-first resilience, multi-currency ledgers, multilingual interfaces (English, Swahili, and beyond), USSD alongside APIs, and agent-network economics engineered into the core, not retrofitted.
- **Privacy by design.** Data minimisation and purpose limitation are enforced at the schema level. We hold data for survivors, witnesses, and children; that responsibility is engineered, not delegated to policy documents.

DELIVERY RECORD

Selected Engagements

ENGAGEMENT	WHERE	OUTCOME
Lindela Intelligence Platform	Eastern Africa · IGAD · EASF · African Union	Replaced a fragmented conflict early-warning ecosystem with one multi-tenant sovereign platform; pilots converted to production across 5 operational modules; elections monitoring across 290K+ stations.
National voter registration (INEC)	Nigeria	73.5M citizens registered in 21 days across 120,000 polling units and 36 states, Africa's largest-ever IT deployment; EU observers called the 2011 elections Nigeria's most credible; $100M+ saved in licensing.

Judiciary digitization (ICT Advisor to the Chief Justice)	Kenya	Case filing time cut from 40 days to 7; 93% station adoption across 126+ stations, 2.1M+ cases, 154,451 transcripts; systems remain in nationwide operation.
National ICT Policy & Ajira Digital Program	Kenya, Ministry of ICT	Co-authored the National ICT Policy; architected NEMIS and Ajira (100,000+ digital work opportunities); guided national adoption of AI, IoT, and blockchain in public services.
Google West Africa launch (GUAP)	Nigeria → 9 countries	Established Google's operational presence in English-speaking West Africa; university-anchored access programme scaled continent-wide.
e-Government SaaS portfolio (SW Global)	Africa-wide · Abuja · Tel Aviv · Gurgaon	Led 120+ engineers across 30+ e-government products, including the Nigerian Immigration Service software infrastructure and administration systems for 40+ African universities.
Security-sector governance (USAID SGI, with Chemonics)	Ghana	Advised on security-sector governance and civilian oversight; delivered information-systems guidance and capacity building for oversight institutions.
Defence systems	Nigeria	C4I/C4P mobile command platform for the Nigerian Army, earning its Distinguished Service Award (Directorate of Automated Data Processing).

REACH

Continental Coverage, Global Standards

Datacraft is African by headquarters and conviction, and global by delivery. Our team has built and operated systems in **Kenya, Nigeria, Ghana, Uganda, Tanzania, Rwanda, Ethiopia, and across the IGAD and EASF regions**, with engagements and infrastructure spanning **the Gulf and MENA, Israel, India, Singapore, and the United States**: from a development centre in Gurgaon to a joint venture with Singapore's TSC Global to an MIT Sloan-trained executive bench. Today the firm supports 150+ client organisations across 12+ nations, with regional intelligence deployments serving mandates that span Eastern and Central Africa.

That combination matters. Global standards without African context produce the imported failures we were founded to replace; African context without global standards produces

systems that cannot survive an ICD 503 accreditation, a PCI QSA, or an EU observer mission. Datacraft's entire history is the proof that you can hold both.

LEADERSHIP

Nyimbi K. Odero — Founder & Chief Executive Officer

Technology executive, systems architect, and intelligence-systems leader with over 30 years building sovereign-scale infrastructure across government, defence, intelligence, finance, telecom, and creative technology in nine African nations. The career in one arc: five technology companies built against structural gaps in emerging African markets; Google's West Africa launch; Africa's largest-ever IT deployment (73.5M biometric registrations as CTO of Nigeria's electoral commission); the digitization of Kenya's judiciary as ICT Advisor to the Chief Justice; a 12-month group turnaround mandate spanning a $4.5B JV and a $206M platform investment; and now Datacraft, where the products in this profile were created.

- **Education:** MIT Sloan School of Management, Advanced Certificate for Executives (Leadership & Management); B.Sc. Theoretical Physics, University of Nairobi (Distinguished Alumni).
- **Distinctions:** Distinguished Service Award, Nigerian Army (DADP); President's Award for Young Kenyans (Bronze); Most Promising Young Mathematician, Pan-African Congress of Mathematicians.
- **Public record:** independently documented: EU Election Observation Mission final report (Nigeria 2011), Kenya Judiciary published performance reports, and public talks on NLP-driven job creation for the Ministry of ICT.
- **Languages:** English, Swahili, Luo; working French.

The CEO leads a deliberately small, senior team: architecture, product, and engineering leads with deep roots in African enterprise infrastructure. The people who design the software are the people who talk to clients; there are no layers in between.

THE CASE

Why Datacraft

- **We have already done the hardest version of the job.** Registering 73.5 million people, digitizing a judiciary, and fielding accredited intelligence platforms are not references we aspire to; they are references we hold.

- **We underwrite technology risk from inside the architecture.** Investors and boards get diligence answered with running systems and formal proofs, not projections.
- **We are structured for the decade, not the deal.** Privately held, Nairobi-headquartered, senior-only. Our oldest client relationships predate several of our current products.
- **The portfolio compounds.** Sixteen products on one platform mean every client engagement inherits identity, security, AI, and observability infrastructure that has already survived accreditation.
- **Africa is the primary deployment target, and the standard is global.** ICD 503 to PCI DSS to IFRS 9: the same team, the same codebase discipline, from Nairobi outward.

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References
Available upon request, including
public-record verification pack