



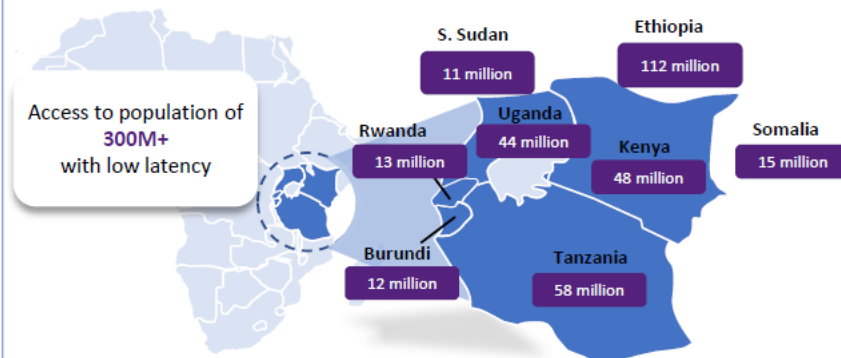
Kenya's "Silicon Savannah" well positioned to be a key player in the Global Data Centre growth

JAN 2024

East Africa's Largest Hyperscale
Carrier Neutral Data Centre

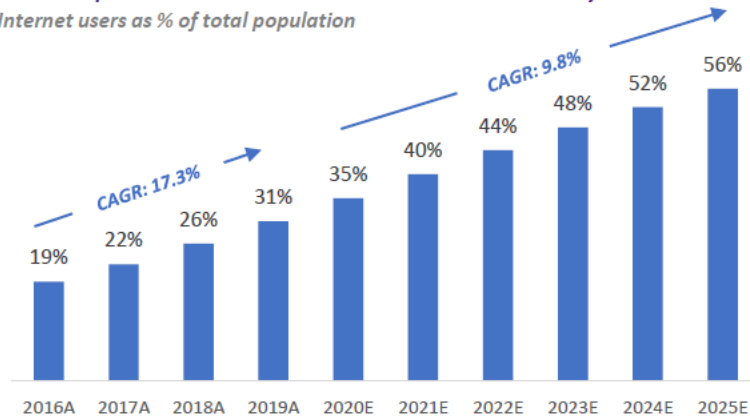
East African economic and demographic drivers

Kenya is the gateway to East Africa

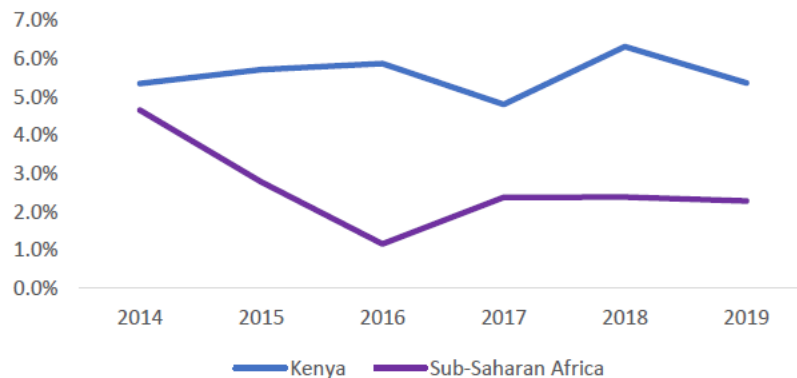


Internet penetration rate continues to increase in Kenya

Internet users as % of total population

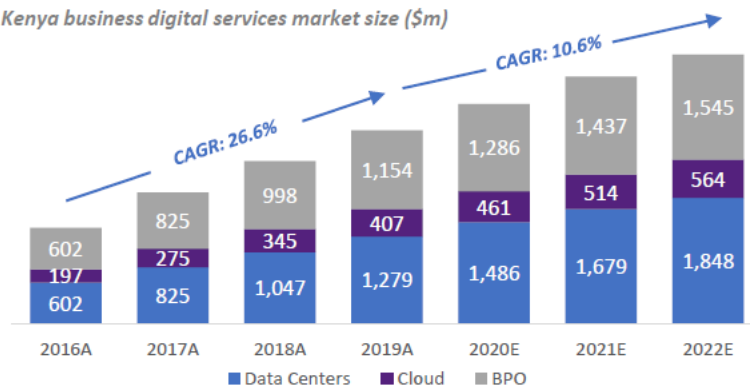


GDP growth has averaged over 5% for the last decade, consistently above Sub-Saharan Africa



Outsourcing and digital services are expected to grow by c. 11% per year between 2020-2022

Kenya business digital services market size (\$m)



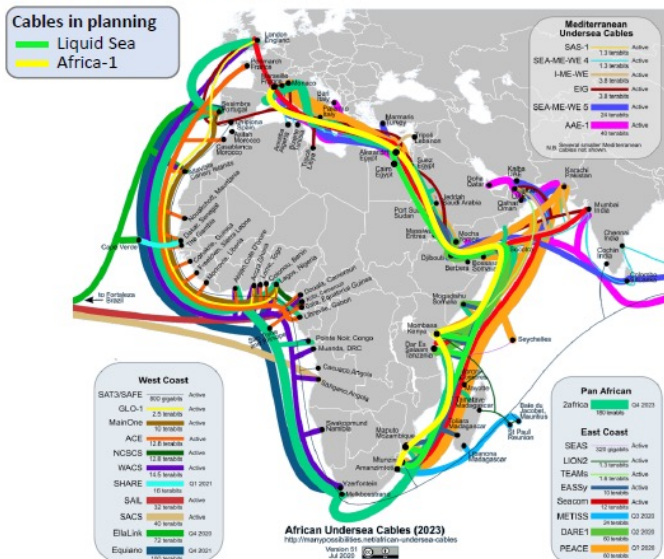
Regional market of 300 million+ and growing internet penetration
>50% of Kenya's GDP is driven by MPESA; higher no of transactions than Western Union globally
75% of population 35 years or younger
Google, Microsoft, AWS have set up product development centres
Stable democracy



Subsea Cables capacity grown from 4 Terabits in 2010 to 720 Terabits in 2023

Strategic global network location positioned close to Europe, Middle East and India

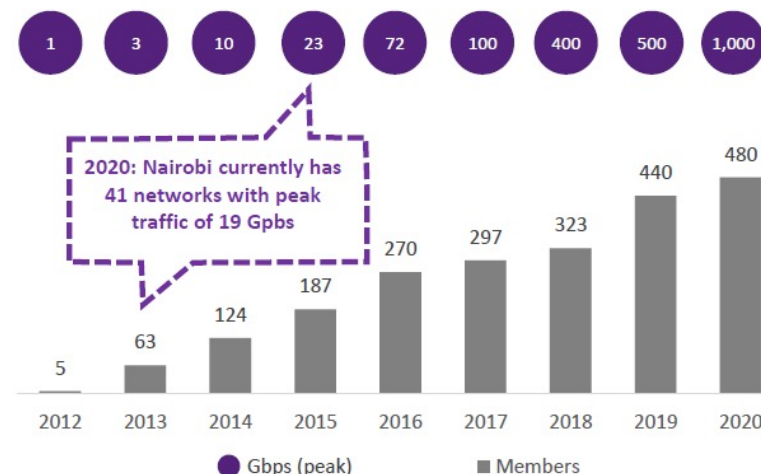
2020 Subsea cables around Africa



- Kenya has four subsea cables including EASSy, TEAMS, SEACOM, and LION-2, which hold more than 2.8 terabytes of bandwidth, with another 4 cable projects in planning and development (DARE, PEACE, Africa-1 and Liquid Sea)
- Facebook, alongside China Mobile International, MTN GlobalConnect, Orange, STC, Telecom Egypt, Vodafone and WIOCC, are in the planning stages of developing a 37k kilometre subsea cable system covering 23 countries coined 2Africa (Project "Simba") which is to be operational in 2023

Kenya is on a similar journey to South Africa

The rise of NAPAfrica



- NAPAfrica is Africa's largest Internet Exchange Point with over 480 unique ASNs (networks) connected from across the world, including 26 African countries
- Launched in 2012 in South Africa, it is now recording traffic of >1Tbps
- Nairobi currently has 41 networks with peak traffic of 19 Gbps in 2020 placing it in a similar position to South Africa in 2013 and 2015, respectively
- Today, 2 of the top 5 African data centres by # of networks are located in Kenya which makes the country the most connected outside South Africa

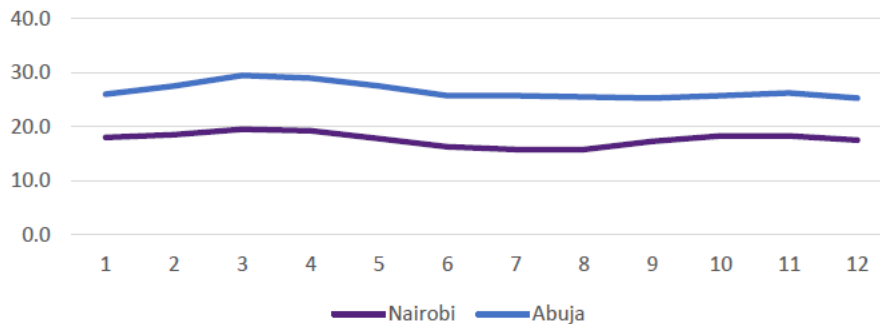
Kenya is where South Africa was in 2015 in terms of peak traffic and networks connected

Kenya has favourable climate and low-cost power

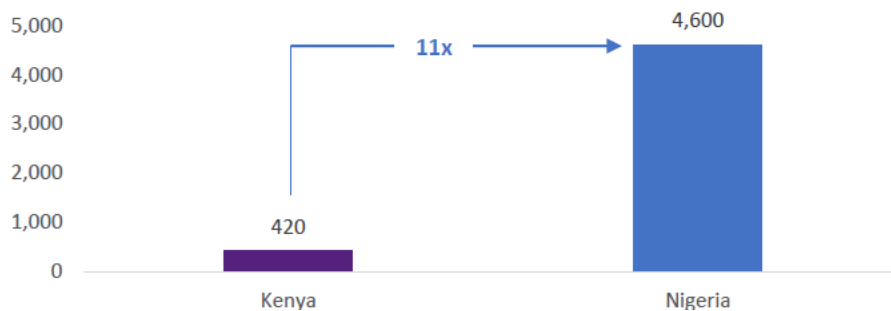
Kenya has stable power infrastructure and Nairobi benefits from a temperate climate...

- Kenya has a very reliable power supply with an average of only 420 hours outage per year compared to 4,600 hours in Nigeria
- The benefits of reliable and low cost power are further amplified by Nairobi's cool climate, making it an ideal location for the largest data centre in East Africa

Average temperature (Celsius)

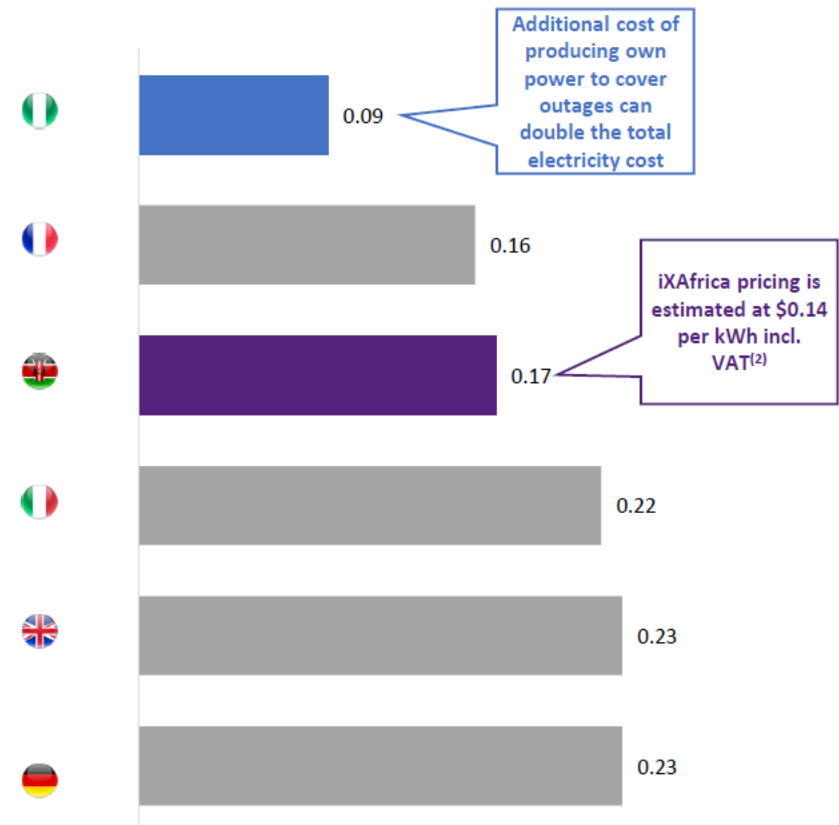


Average hours power outage per year



...and attractive power pricing

Power cost for businesses by market incl. taxes | \$ per kWh, 2020 ⁽¹⁾



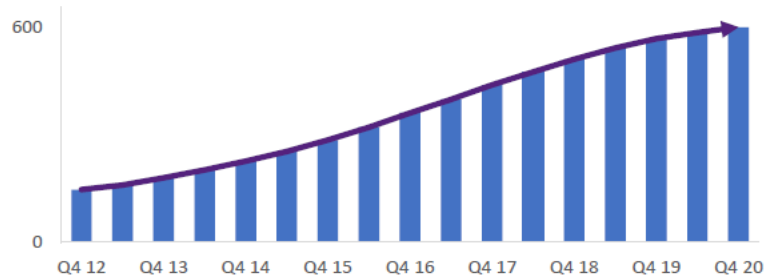
Kenya is the 8th largest geothermal power producer globally with 92% renewable energy



Kenya is anticipated to become a key new hub for hyperscalers...

Hyperscaler¹ numbers are increasing and seeing rapid growth in investment

Number of hyperscalers worldwide



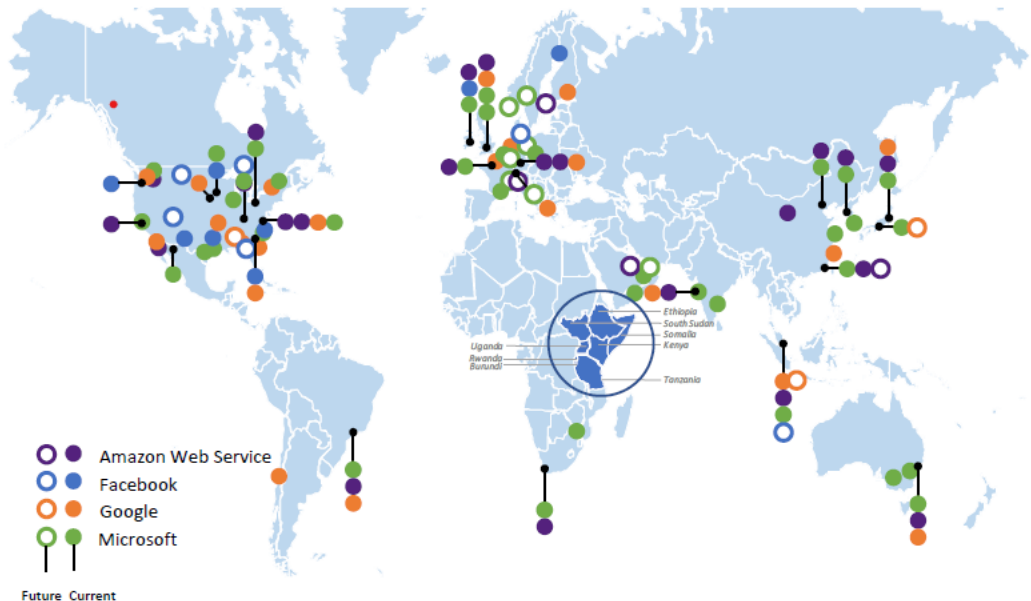
Hyperscale Investment worldwide

Company	2015A		2020E		CAGR (%)
Google	\$10.0bn	\$2.0bn	\$28.2bn	\$5.6bn	23%
amazon	\$9.6bn	\$4.7bn	\$27.4bn	\$11.0bn	23%
Microsoft	\$6.7bn	\$6.3bn	\$20.9bn	\$17.8bn	26%
facebook	\$2.5bn		\$17.8bn		48%
Apple	\$11.6bn		\$12.3bn		1%
Alibaba Group	\$1.2bn		\$8.2bn		47%
Tencent 腾讯	\$0.8bn		55.1bn		44%
ORACLE	\$1.6bn	\$0.5bn	\$3.2bn	\$1.6bn	7%
Others ²	\$8.0bn		\$9.1bn		3%
Total CapEx	\$52.0 bn		\$131.4 bn		20%
Total CapEx	Cloud CapEx				

Africa is massively under-penetrated by hyperscale cloud providers

- East Africa is a very significant market and the logical next step for hyperscalers after South Africa
- Currently there are no hyperscalers present in Kenya and, as a result, high quality cloud services are not available to a large population with increasing demand for digital services
- International and intercontinental connectivity to the region has been transformed by recent infrastructure developments, enhancing the opportunity for hyperscaler deployments

Hyperscale Deployments (2020)



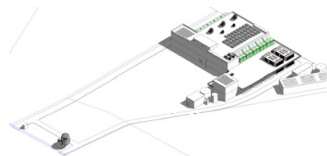
Africa is home to less than 2% of global data centre capacity and more than half of that capacity is located in South Africa



NBOX1 - East Africa's only hyperscale campus with 22.5MW of IT power

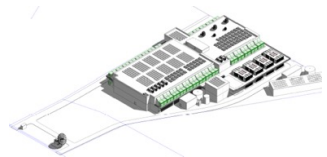
✓ Land acquired - Owned	99-year leasehold from 1987 (65 years remaining)
✓ Power sourced & designs approved	Two 11kV feeds from a two substations. Approved plans (power route) for a 66kV on-campus substation.
✓ Development capacity	Campus no 1 will have 22.5MW of IT power on current IXAFRICA plot. Campus 2, Tilisi identified to increase capacity to 53MW
✓ Hyperscale focused	iXAfrica is the only operator in East Africa able to offer a multi-MW carrier neutral facility to hyperscalers

Data Centre 1 (Phase 1.1 - live with 1MW)



- **Building size:** 4,314 m²
- **White space:** 1,653 m²
- **Data halls:** 2
- **Racks⁽¹⁾:** 780
- **Power:** 4.5MW IT
- **Office space:** 900 m²

Data Centre 2



- **Building size:** 12,000m²
- **White space:** 6,360 m²
- **Data halls:** 6
- **Racks⁽¹⁾:** 3,744
- **Power:** 18MW IT
- RIBA Stage 3
- RIBA Stage 4 (Q1 2024)

Satellite farm



- **Satellite teleport:** 4000m²



Total campus

- **Building size:** 16,314 m²
- **White space:** 8,013m²
- **Racks⁽¹⁾:** 4,500
- **Power:** 22.5MW IT

TSIX1 – Africa's AI ready 53MW Hyperscale Campus

TSIX1 Facility Overview

53 MW IT campus
Rack Density of up to 90KW
On-chip Liquid cooling option
Flexible rack density
99.999% availability
Heated water and backup power export to local community
Dedicated office building and training academy

Specifications

Phase one power: 5 MW IT
Future phases: 12 MW IT x 4

Location: Tilisi

Mechanical: N+2 with liquid cooling options

Concurrently maintainable with no single point of failure

Green power grid

Nairobi's grid is among the greenest in the world 93% coming from renewable energies

IXAfrica's newest data centre deployment builds on the success of NBOX1 by introducing liquid cooling technology to increase efficiency and rack densities.

Designed to the highest specification for hyperscale customers, the TSIX1 facility will be the first of its kind in East Africa to feature liquid cooling options for its end users.



Experienced leadership team



Guy Willner
Co-founder & Chairman

- 25 years in DC sector
- Among the 50 Most Influential Persons in the Data Centre, Cloud Computing Data Industry and Big Data industry in the EMEA region
- Co-Founder and CEO of IXcellerate (Russia) and Chairman of the Data Centre Alliance
- Previously Non-Executive Director of Teraco, Africa's leading carrier neutral data centre
- Previously CEO at IXEurope, acquired by Equinix



Clement Martineau
Co-founder & Projects Director

- Previously involved in the construction of a terminal "LION 2" submarine fibre optic cable landing station connecting Kenya and Mayotte (Orange Telkom Kenya)
- Previously General Manager of Lighthouse Property Company
- Co-founder of Nelion Partners Ltd



Niraj Shah
Director Sales & BD

- 6 Years – focused in DC sector management and sales.
- 15 years experience in sales team leadership & management
- Previously GM at Icolo
- Previously Country Manager at Avis Budget Group
- Previously Head of Marketing at Telkom Orange



Snehar Shah
CEO

- 25 years in the tech sector of which 15 years is East Africa.
- Scale up specialist - grown businesses in Towerco and Paygo Energy Sector
- Ex CEO and Chair Position at Moringa School, leading tech training provider in the region
- Blue Chip experience at PwC, HSBC and C Level experience at Orange, Eaton Towers, Azuri. technologies, Moringa School
- Electrical Engineer, Chartered Accountant and Chartered Financial Analyst
- Awarded Top 40 Under 40 by Business Daily Africa



Andrew Hunt
Co-founder & Finance Director

- Founder and Managing Director of Marlow Capital
- Early equity investor in Teraco and led four successful capital raisings
- Assisted iXcellerate capital raise of over \$20 million.
- Previously the Head of Investment Banking, Africa for HSBC Bank plc



Naresh Mehta
Founding Shareholder

- 40 years experience in electrical engineering
- Founder of Power Technics (sold to Schneider in 2015)
- Previously Chairman of Schneider Electric Kenya
- Founder and MD at Prisma Technics

The combined leadership and advisory team for iXAfrica has over 30 years of data centre experience with leading global operators



Significant expertise within leadership team in new business development in the property and ICT sectors in Kenya

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