



ITU Sustainable Digital Transformation Dialogues - Africa

Green Data Centres for Sustainable Digital Transformation in Africa

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Proprietary + Confidentia

Africa's \$180B Internet economy future

Growing urban, mobile population



Digital connectivity

40%

of population in 2019

10% increase leads to 2.5% increase in GDP per capita

Urbanization

45%

of population will be in cities by 2025

Expanding tech ecosystem





E-commerce and fintech are key sections driving the digital economy

Infrastructure investments

Drives increased access to more affordable higher-speed Internet

Source: e-Conomy Africa 2020.



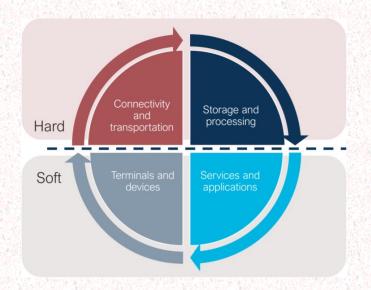
•···· Pro-innovator regulation

Including startup acts and regional harmonization, such as the African Continental Free Trade Area (AfCFTA)









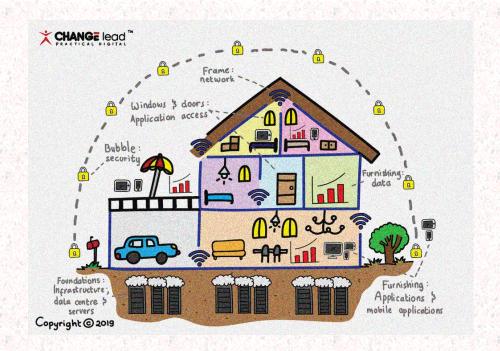
Digital Infrastructure is no longer limited to hard physical assets, structures, and facilities. It extends to the architecture that connects it and to the technological applications to operate it.

We need connectivity infrastructure and datacenter infrastructure to support locally-deployed digital services and the growth of a local digital ecosystem.

Digital Infrastructure is an integrated system including 2 categories:

(hard) physical and (soft) non-physical

It is the foundation of the digital economy.







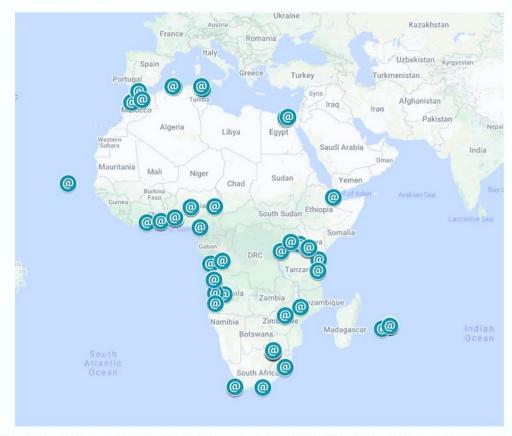




Africa's data centre market is expected to exceed \$3 billion by 2025, growing at a composed annual growth rate of over 12% during the forecast period. It is also expected that over 70% of organisations operating in the region will shift to the cloud by 2025.

Africa currently accounts for less than 1 per cent of total available global data centre capacity, despite being home to about 17 per cent of the world's population.

Sample data centre locations in Africa⁴³





















Thank you!

https://c2e2.unepdtu.org/sustainable-datacentres-and-ict/











alling with successful business cases already on he market. Jauid cooling still faces many challenges in the de-



