

Barclays Africa Group

Powering the bank through technology
Ashley Veasey: Chief Information Officer

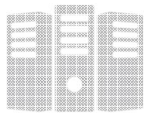


UBS Financial Services Conference
October 2016

We have invested in infrastructure and critical business services



Upgrading infrastructure across the continent



Migrating to a new data centre



Re-engineering our application estate

We have invested **R2.6bn** to improve our infrastructure



Storage and capacity uplift



Optimising our network



Mainframe upgrade



Command centre monitoring



Upgrade aging branch infrastructure



Improved ATM resiliency

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Migrating to a new data centre



Re-engineering our application estate

We recently migrated our production mainframe and 256 applications to a new data centre

THE BUILD ...

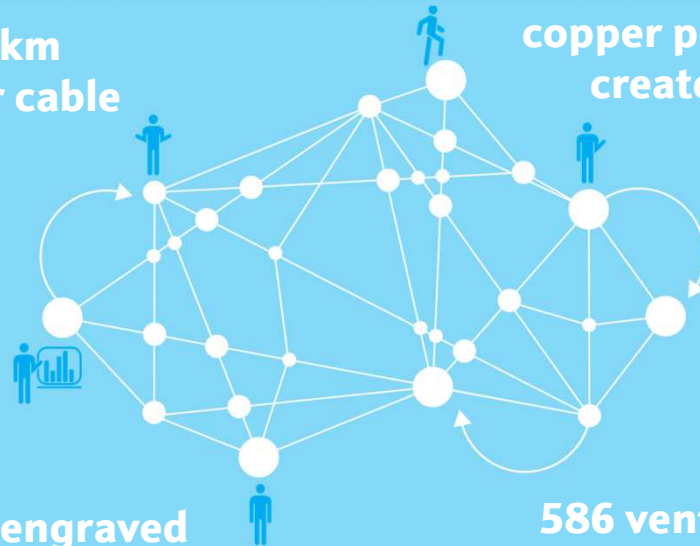
265km copper cable

28 000 copper points created

8km of velcro

230m² engraved labelling

586 ventilated brush panels



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THE MOVE ...

We had to stop **time** for 6 hours

623

people involved

18

months of preparation

2hrs

execution time

2hrs

for change validation

1.5 hrs

for business sign-off

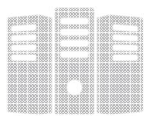
All done with **ZERO** incidents

We have invested in infrastructure and critical business services



Upgrading infrastructure across the continent

Wrapping our stable core banking applications with APIs



Migrating to a new data centre

Re-engineering our front-end systems to provide branch colleagues with the right capability to serve our customers



Re-engineering our application estate

‘Walking the wire’ across the bank’s critical business systems to further improve customer service

New technologies are shifting the lives of consumers ...



**Wearable technology
& Internet of Things**



**The rise of the bots &
Artificial Intelligence**



**Biometric
authentication**



**Mobile Payment
Wallets & NFC**



**Messaging Apps are
the new OS**



Sharing economy

... and banks are adopting these new technologies to remain relevant and competitive



**Blockchain and
Distributed Ledger
technologies**



**The rise of the API
economy**



**Co-creation and
close collaboration
with FinTechs**

We embrace these new technologies

rise



R^{CV}

Connecting innovators, entrepreneurs & fintech start-ups to build the future of financial services

A **digital development shop** separate from the bank

As a **member of the R3 global Blockchain consortium** we have access to global knowledge and tools

And use technology company practices to build new products and services



Design and Data-led

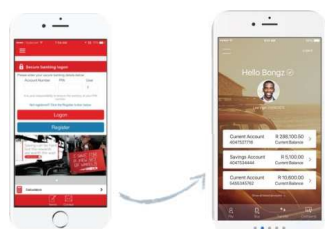


Adopting agile and engineering principles



A culture of fast experimentation

As we transform the bank with new technologies, we have delivered several proof points for customers



New Absa mobile app released with a redesigned human like experience



A refreshed and simplistic **Absa website launched**, building the foundation for greater digital sales



World first **ChatBanking** launched on Facebook Messenger and Twitter, creating new ways to engage with us



We executed Africa's **first financial Blockchain transaction**



Our API platform has opened up the bank for customers to provide **Banking as a Service**



We are rapidly **adopting the Cloud**, to bring greater scalability and increase our speed to market for new products and services



Questions?