

WHO WE ARE

The Ghana Interbank Payment and Settlement Systems Limited (GhIPSS) is a wholly owned subsidiary of the Bank of Ghana. It was incorporated in May 2007 with a mandate to implement and manage **interoperable** payment system infrastructures for banks and non bank financial institutions in Ghana.



OUR PORTFOLIO

National Biometric Smart Card
Banking & Retail System-
e-zwich®



Cheque Codeline
Clearing (CCC)
System



Automated Clearing
House (ACH) Systems



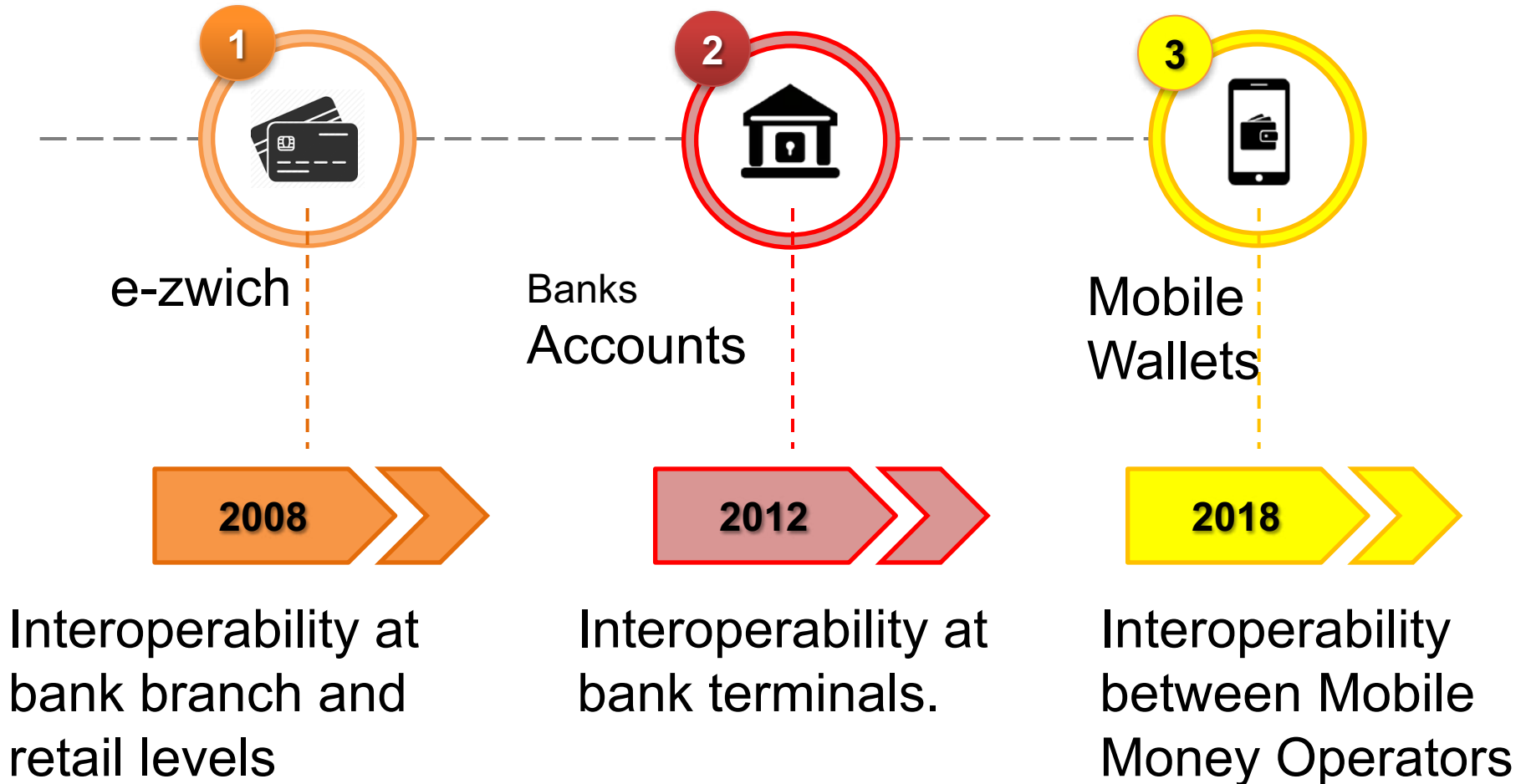
National Switching and
Processing System – gh-link™



ENABLING FINANCIAL INCLUSION WITH INTEROPERABILITY



EVOLUTION OF INTEROPERABILITY IN GHANA



1



ATTRIBUTES

- An Interoperable biometric smart card payment system.
- Links all Financial institutions in Ghana.
- Online and offline realtime transactions possible.

PARTICIPANTS

Commercial Banks

Ruarl & Community Banks

Savings & Loans

SERVICES

International & Local Remittance

Retail - Purchase / Sale

Payment Distribution

KYC - Biometric Search / Validation

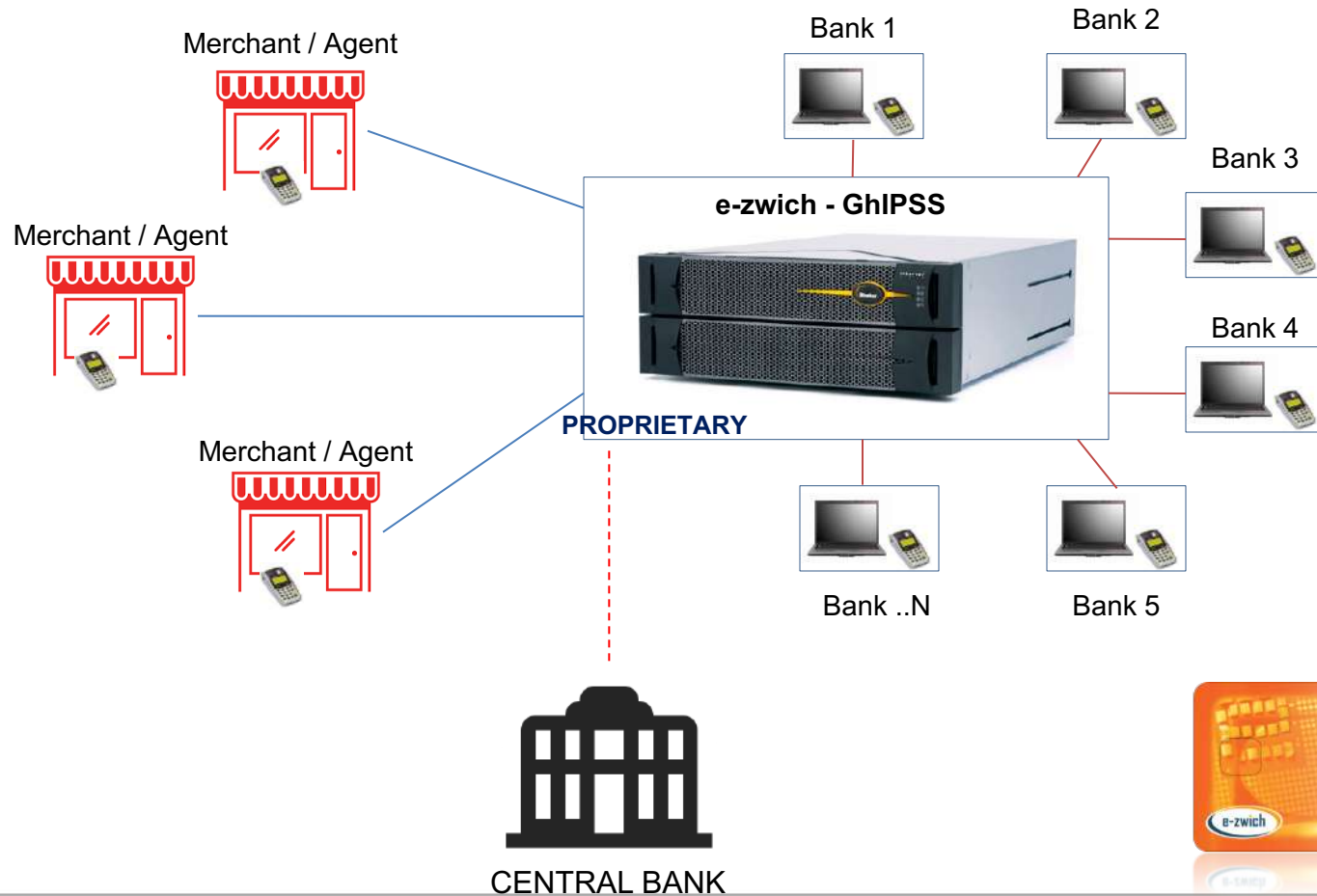
e-zwich to Mobile Money Wallet

** The e-zwich system uses finger print for authentication*



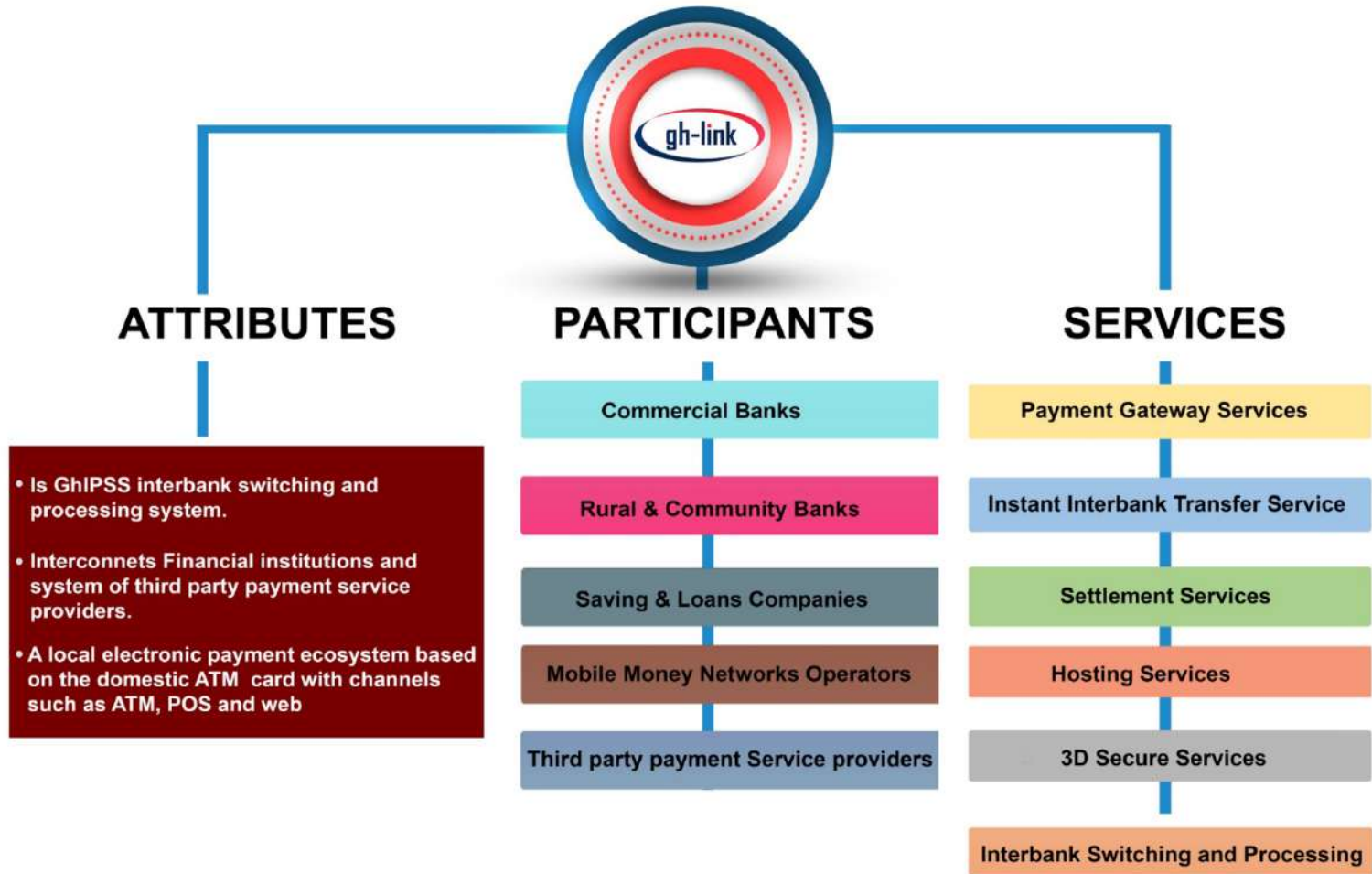
Stored Value Cards

e-zwich System Architecture





Banks Accounts



3



Mobile Wallets

Mobile Money Interoperability -MMI

- Instant inter-network switching and processing system which Interconnects mobile money systems of Telecom operators
- Connects the MMI platform with the e-zwich System/ gh-link platform
- Leverages the Instant Pay service of the gh-link platform

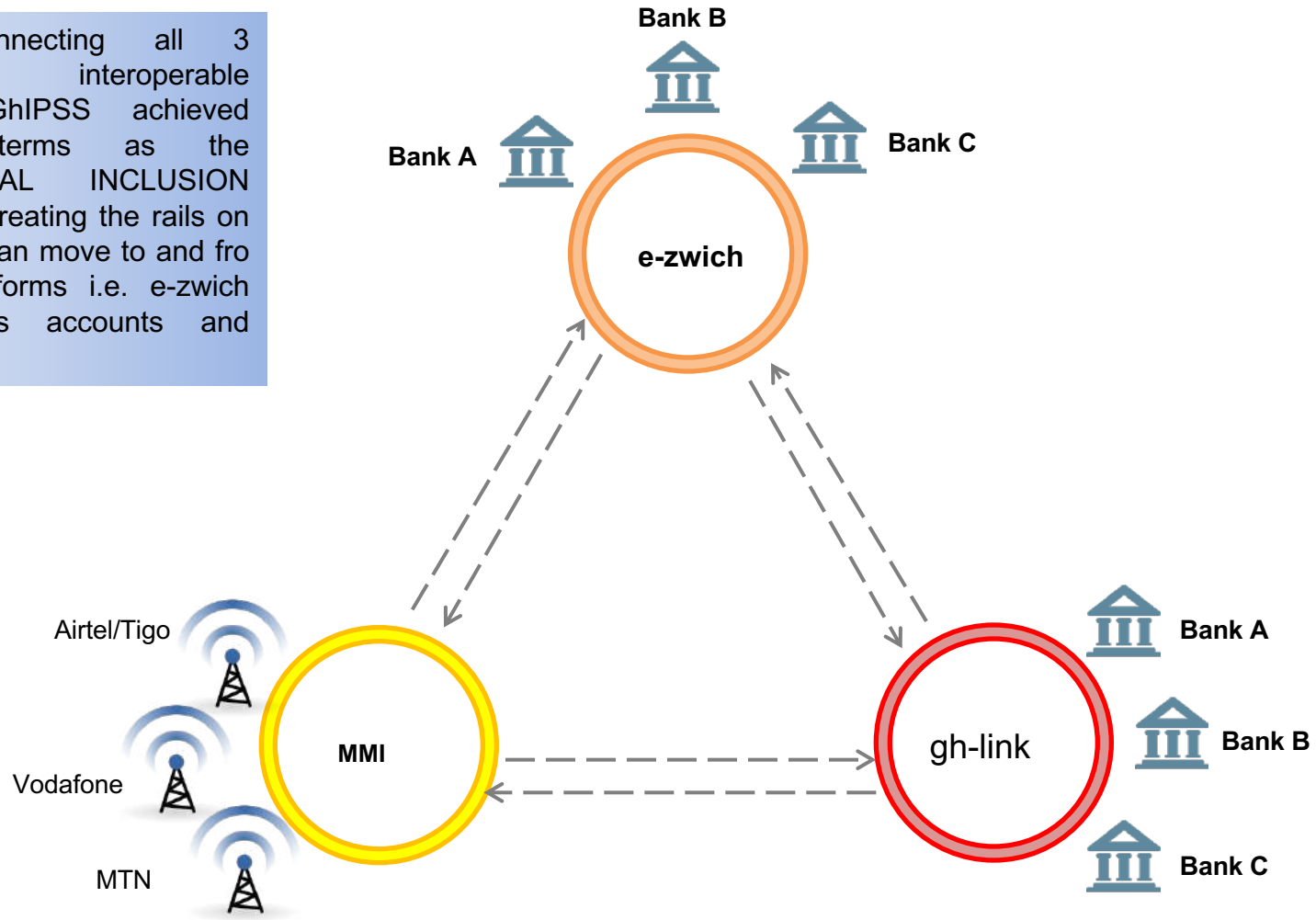
PARTICIPANTS

- 3 Telecom Providers



THE FINANCIAL INCLUSION TRIANGLE

By interconnecting all 3 independently interoperable platforms, GhIPSS achieved what it terms as the "FINANCIAL INCLUSION TRIANGLE" creating the rails on which funds can move to and fro between platforms i.e. e-zwich cards, banks accounts and Mobile wallets



Ghana's Financial Inclusion Triangle- Our Observations



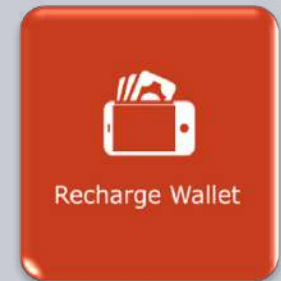
Reduced
cost for
payment
service
providers
& their
customers



F.I.T is
driving
access to
and use
of
Financial
Services



Increased
volumes of
cross
wallet
transfers.



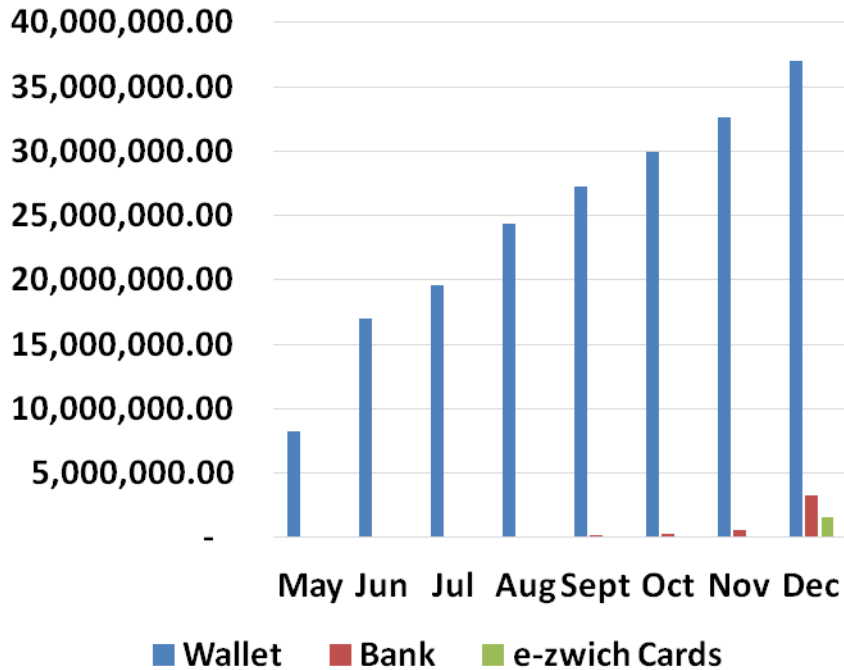
Recharge Wallet

Mobile
Money is
driving
Financial
Inclusion

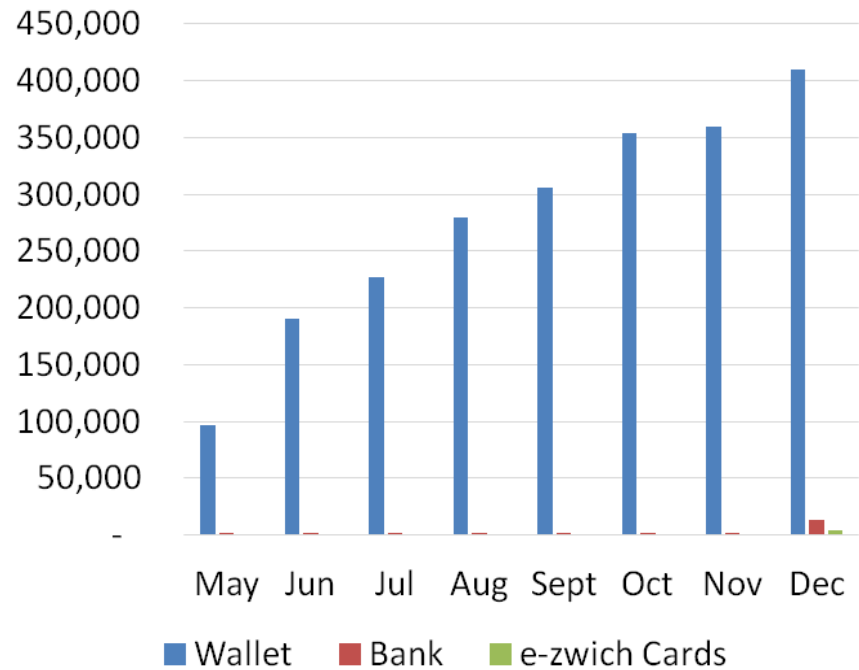


FUNDS RECEIVED INTO MOBILE WALLETS VIA MMI- MAY TO DEC 2018

MMI FUNDS RECEIVED (VAL)



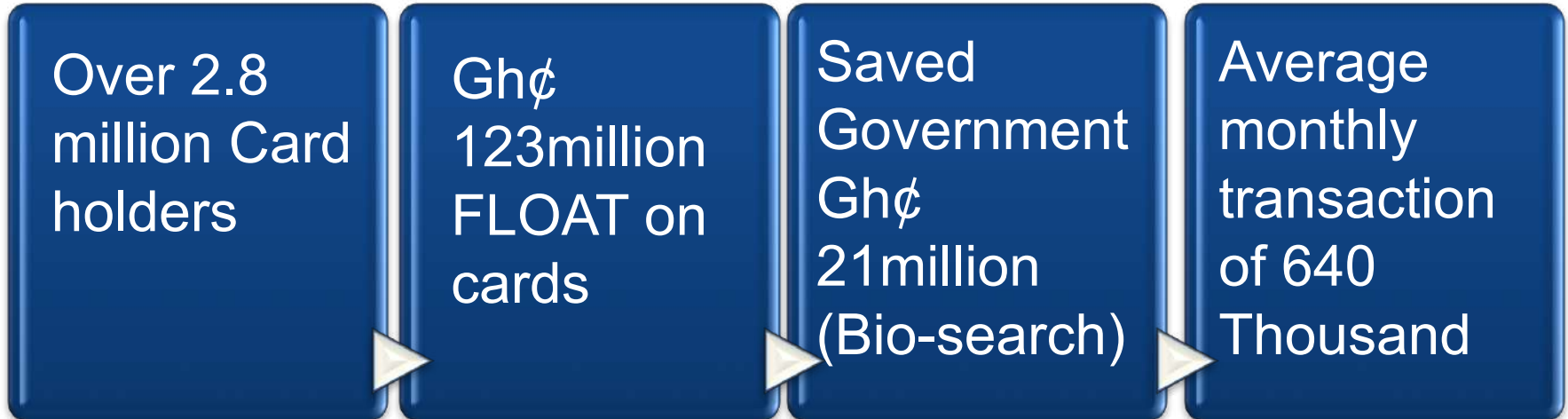
MMI FUNDS RECEIVED (VOL)



Cross Wallet transactions are driving MMI Volumes

2018 Facts- e-zwich & Mobile Money

e-zwich



Mobile Money



2018 Facts- e-zwich & Mobile Money Cont

e-zwich

Increased the number of organizations who make payment with electronic platforms. Egs below:

Government Ministry/ Agencies

- National Service Secretariat
- Ministry of Health
- Nations Builders Corp (NABCO)
- Youth Employment Agency (YEA)

Government Agencies

- Student Loans Trust Fund
- GSOP-LIPW
- Ghana School Feeding Program
- LEAP- Livelihood Empowerment Against Poverty

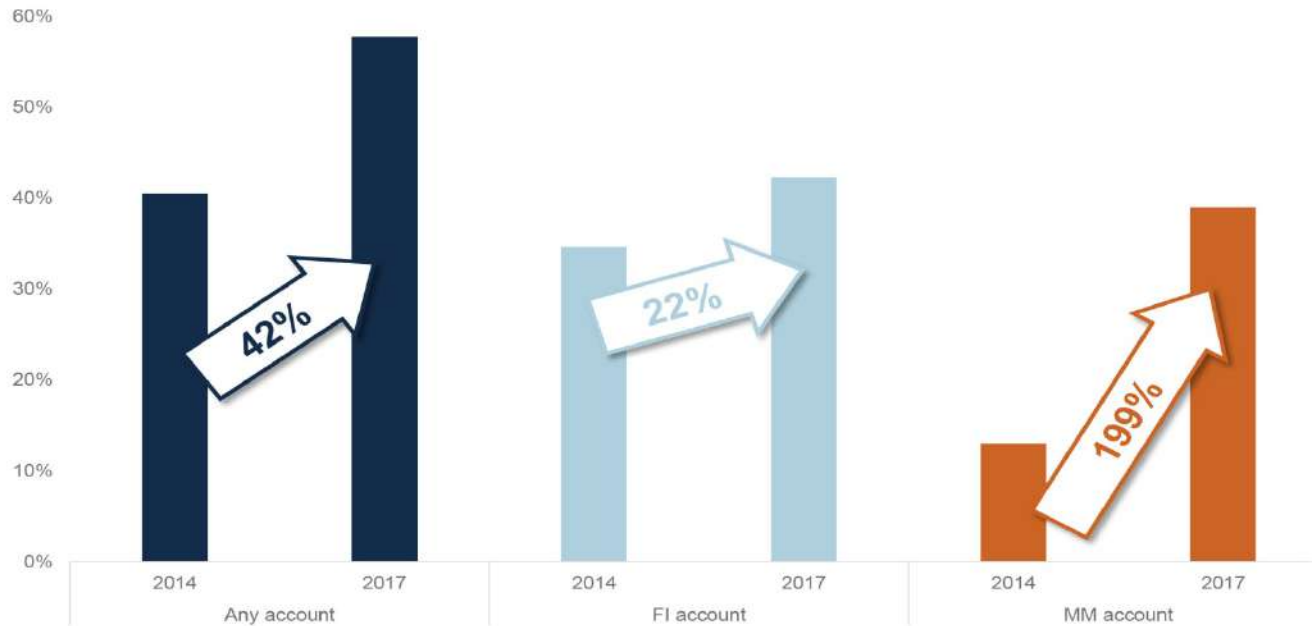
Private Agencies

- Cargill
- Olam
- PBC
- Zoomlion
- Ghana Dock Labour
- JSDF

Impact of Mobile Money on Financial Inclusion

Financial access has expanded fast

Largely thanks to very rapid uptake of mobile money



Source: Global Findex Report, 2017 by CGAP

Lessons/ Recommendations

- Enabling Regulatory Environment
- Interoperability is key for growth
- Collaboration among all players/partners
- Availability of Technological Infrastructure

