

Archie Hesse CEO GhIPSS

About Ghana



WHO WE ARE

- A West African Country
- Known for exporting Gold, Cocoa etc
- > Population: 27.41 million (2015)

World Bank)

- Capital: Accra
- > Number of Regions: 10
- Currency: Ghana Cedi
- GDP: \$ 37.54 billion (WB, 2015)





Wholly owned subsidiary of the Bank of Ghana

Incorporated in 2007 with a mandate to implement and manage interoperable payment system infrastructures for banks and non bank financial institutions in Ghana

Currently manages

- National Biometric Smart Card system- e-zwich
 - Cheque Codeline Clearing (CCC) System
- Ghana Automated Clearing House (GACH) System
- National Switching and Processing System- gh-link

• • GhIPSS Mandate,

Mandate

Implement and Manage Interoperable Payment Systems
Infrastructure for banks and non bank financial institutions in Ghana.

Vision

Migrate Ghana to an Electronic Payment Society

Mission

To partner the financial services industry in promoting, developing and managing efficient and secure payment systems.

Performance Over the Years

TOTAL	e-zwich 2008 - 2016	CLEARING HOUSE 2010 - 2016	Gh-link 2012 - 2016	TOTAL
VALUE (Gh¢)	4,285,586,003.24	685,841,183,442.39	1,004,094,502.48	692,130,883,948.11
VOLUME	11,486,071	66,756,457	5,873,918	84,116,446

Interoperability and Financial Identity

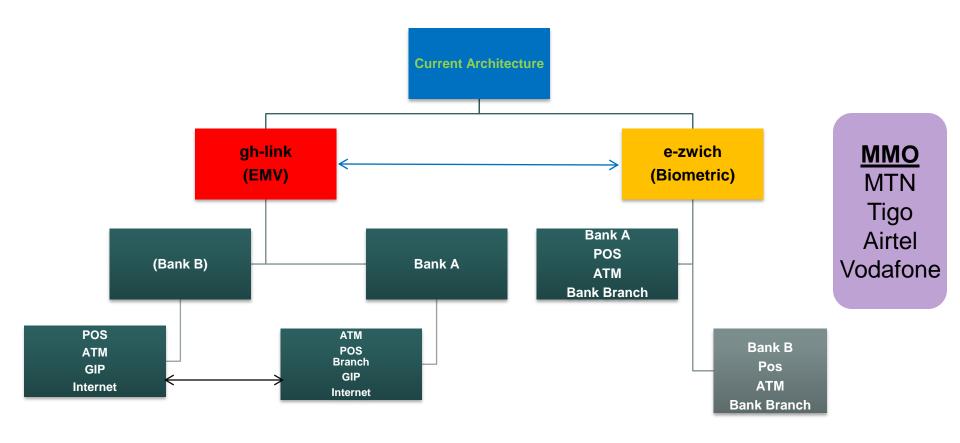
Understanding Interoperability

> Interoperability in simple terms is the ability for different systems to connect with one another.

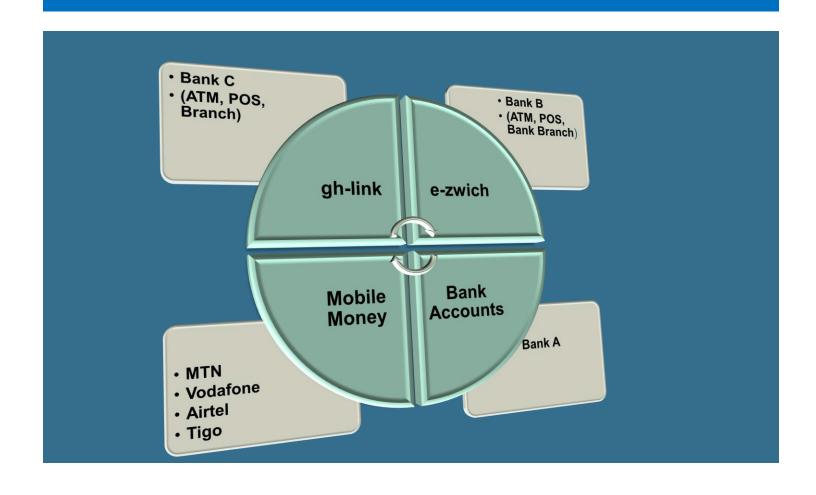
Interoperability increases transaction volumes and create new business opportunities

GhIPSS has created an Interoperable platforms for banks and non-bank financial Institutions in Ghana

Current System Architecture



Future System Architecture



Achieving Financial Identity (FI) with Interoperability. The Case of e-zwich

le-zwich is an interoperable biometric smart card payment system which links all financial institutions in Ghana.

Key Features

- Biometric Authentication
- Online & Offline Loading & Settlement
- 10-Digit Signature Code for Online/Offline Loading
- Multiple Audit Trails
- Transparent & Automatic Recovery
- 12 Map Biometric Search Station

Use Cases of e-zwich







Platform is Currently used by

Government & Non
Governmental Institutions:

NSS, GSOP, LEAP, Cocoa Buying Companies, SLTF

Cards are issued by Commercial, Rural & Community Banks, Savings & Loans Companies

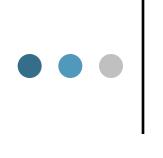
Benefits of e-zwich

> It is faster, Secure and Convenient.

Gives the cardholder access to a wide range of retail and banking services at any POS terminal anywhere in Ghana.

The cardholder can also earn interest on money held in the savings wallet on their card.

Benefit of Interoperable Platforms

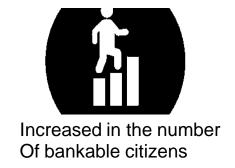




Increase in the Number of Financial Institutions on the Platform



Increase in 3rd Party Companies





Increased the amount of Money in the banking System



Growth in the number of Fintech Companies

Benefits



Reduced end to end transaction cost.



Reduce fraud activities.



Payments are made more securely, leading to a reduction in fraud.



Lower Operational & Maintenance Cost



Improved Financial Ecosystem



Thank you

