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# Mobile Money Technology as a convenient option for water Utility bills payment in Uganda

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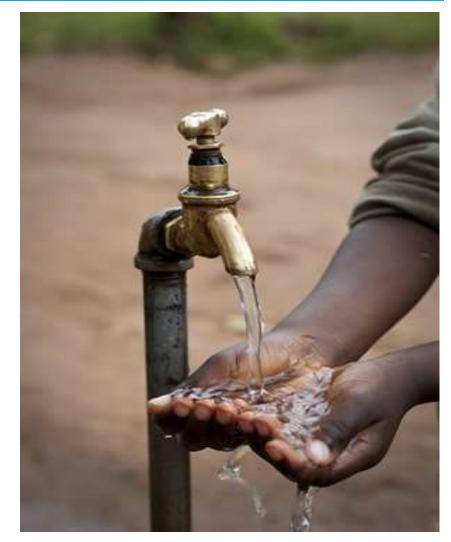
### INTRODUCTION

#### **Map showing NWSC areas of operation**



### National Water and Sewerage Cooperation (NWSC)

- Established in 1972
- Serves 108 towns
- 77% water coverage
- Serves. 2.6 million people
- 155.3 billions in collections



# Challenge

### NWSC

- Unreliable water supply
- High expenditures
- Theft
- Low monthly collections
- Lack of trust by the customers

#### Customer

- Limited access to water
- More time spent
- High costs
- Inconvenience
- Water disconnections
- Lack of trust in the NWSC



### **Solution** Mobile Money Technology

- Started by MTN in 2009
- Send money
- Receive money
- Pay utility bills
- Buy airtime
- Pay goods and services





# NWSC and Mobile money Technology Innovation

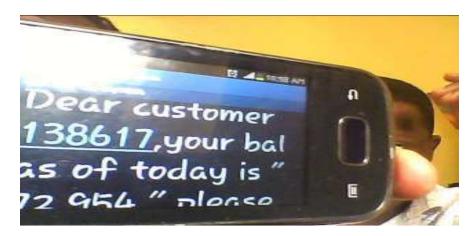
- Introduced in 2011.
- Increase access to water
- Phase out NWSC cash offices
- Modern tool for convenience.
- User friendly
- Increased reliability of water supply
- Real time solution to eliminate delays





### METHOD

- Deposit money on phone
- Go to menu
- Select pay bill
- Select location
- Customer number
- Enter amount
- Pay your bills



#### A message showing amount received by NWSC



# Value

### NWSC

- Improved service delivery.
- Timely water bills payment
- Reduction in operation costs.
- Less threats of theft
- Closer to customers
- Communication made easier
- Improved customer satisfaction •
- Increased reliability of water supply to customers.
- No delays in updating customer . accounts.
- Enhanced customer care
- Significant increase in payment of water bills by mobile money

### **CUSTOMERS**

- Increased access to water
- Easy method of payment
- No time wasted in queues
- Less costs
- No physical movements
  - Trusted

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- Convenient
- Efficient
- Less disconnections.
  - Effective reconnections
- Accounts are up to date.
- Increased willingness to pay water bills by customers

### **Lessons** learnt

- Limited customer awareness
- Technological constraints
- The uneducated are left out
- Lack of policy

### Scale up

- Educate the masses on the use of the technology
- Add local language to cater for the less educated.
- NWSC to work on a policy to cater for issues of integrity, non repudiation and cost of transactions and security.

# Reference

- 1. Hope, R.A Foster T Krollkowski, A and Cohen (2011) Mobile Water Payment Innovations in Urban Africa. December 2011, school of Geography and the Environment and Skoll Centre for Social Entrepreneurship at Said Business School, Oxford University UK.
- 2. National Water and Sewerage Cooperation plot 39, Jinja Road, P.O.Box 7053 Kampala Uganda copyright 2008.
- *3. Khumalo Themba, (2011) MTN and NWSC Introduce mobile money*

4. Rwothungeyo Billy (2013), Mobile Payment driving commerce, New Vision.



# Thank you