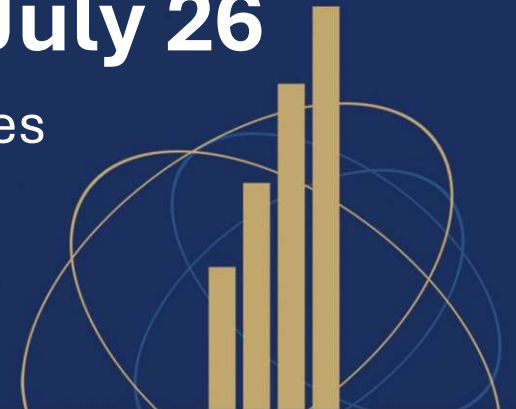




07 July 26

Financial Technology in Public Sector - Opportunities and Challenges of adopting fintech solution



FinTech – Wide and Exciting Landscape

FINTECH COVER A BROAD RANGE OF SOLUTIONS

FinTech



Online Banking

Banking services anytime, anywhere



Digital Payment

Pay bills, transfer funds, shop seamlessly



Virtual Currency

Digital money, crypto & stablecoins



Money Exchanges

Send & receive money globally



Neobanks

Digital-first banks with seamless experiences



Crypto Platforms

Invest, trade & store digital assets

FINTECH IS TRANSFORMING FINANCIAL SERVICES IN MANY WAYS

PayTech



Digital payments, mobile wallets & instant transfers

RegTech



Compliance, risk management & fraud detection

LendTech



Digital lending, credit scoring & loan platforms

BankTech



Core banking, APIs & digital infrastructure

InsurTech



Digital insurance, claims & risk management

WealthTech



Investments, robo-advisory & wealth management



OUR FOCUS TODAY

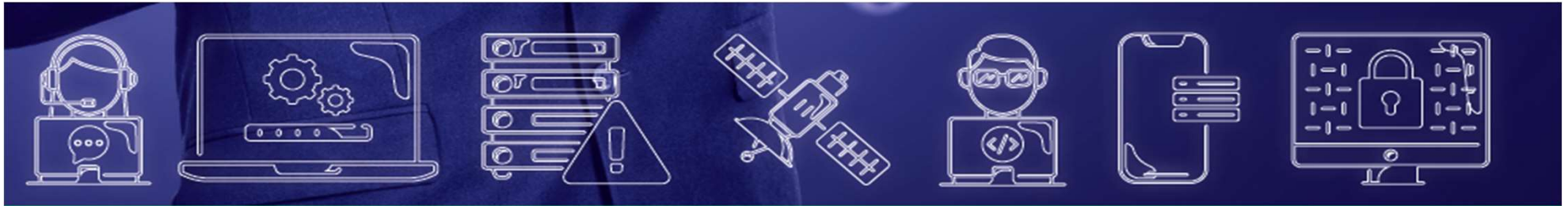
While FinTech covers many exciting areas, given our time today, we will focus on **Municipalities – especially Utility Payments (Water & Electricity)** in support of Government Priorities and Service Delivery.



Customer Journey



2025 – 2030 Strategic Plan



STRATEGIC PLAN 2025-2030

GEARING TOWARDS A DIGITAL SERVICES AGENCY TO ENABLE A DIGITAL GOVERNMENT

- Deepen Partnership with Municipalities & Industry
- Assist in Revenue Growth & Financial Sustainability
- Assist with Internal and Operational Efficiencies
- Goal - Improved **Trust between the Citizen and Municipality**

Let us not swim upstream or against the tide
"Municipalities don't have a technology problem. They have a revenue collection and citizen service problem. FinTech—combined with SITA's shared digital platform—can solve both."



Municipal Complains – Key Insight

Approximately **70%** of all complaints received in call centres / contact centres relate to just **5** services.

TOP 5 SERVICES ACCOUNT FOR ~70% OF ALL COMPLAINTS



WATER

25%



ELECTRICITY

25%



BILLING

15%



SANITATION

15%



REFUSE

10%



Other complaints (**30%**) relate to Roads, Parks, Public Transport, Housing, Customer Service and other municipal services.

Utility Payments Transaction Universe



Stats SA reported approximately **15.3 million** municipal water consumer units and **12.9 million** municipal electricity consumer units in 2022.

UTILITY	CONSUMER UNITS	ESTIMATED MONTHLY PAYMENT EVENTS	ESTIMATED ANNUAL PAYMENT EVENTS
 Water	15.3 million	15.3 million	184 million
 Electricity	12.9 million	12.9 million	155 million
 Total	28.2 million	28.2 million	339 million/year

*Assumption: One payment event per consumer unit per month.



Municipal water and electricity payments represent a potential **transaction universe of more than 330 million payment events per year,**

before considering prepaid electricity top-ups, arrears payments, reconnections, penalties, indigent subsidies and service-fee payments.

MUNICIPAL CONSUMER DEBT IS SIGNIFICANT AND GROWING

AS AT MARCH 2024

National Treasury reported municipal consumer debt of

R347.6 billion

Households responsible for about

R253.6 billion

(approx. 73%)

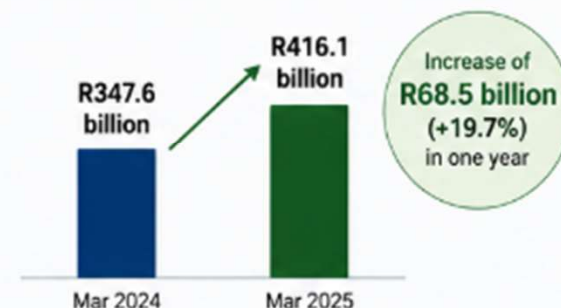


- Households **R253.6 billion** (73%)
- Other (Businesses, Organs of State, Commercial, etc.) **R94.0 billion** (27%)

AS AT MARCH 2025

Reported municipal consumer debt has increased to

R416.1 billion



KEY TAKEAWAY

FinTech can play a pivotal role in unlocking this transaction potential, improving collection rates, reducing debt and enhancing citizen convenience.



More Payment Choices



Faster Collections & Reconciliation



Better Revenue Assurance



Improved Citizen Experience



Reduced Debt & Financial Risk



Stronger Municipal Financial Sustainability

From Municipal Constrains to Digital Solution

Enabling FinTech-Driven Municipal Transformation

COMMON MUNICIPAL CONSTRAINTS



Loss of Revenue

High levels of revenue leakage, non-payment and debt.



Ageing ICT Infrastructure

Legacy systems that are costly to maintain and integrate.



Revenue Management Inefficiencies

Manual processes, poor billing, reconciliation and reporting.



Manual Meter Reading Dependencies

Inaccurate readings, estimated billing and high operational costs.



High Non-Revenue Water & Electricity Losses

Illegal connections, leakages and energy losses.



Weak Cybersecurity Posture

Increased risk of data breaches, fraud and system downtime.



Fragmented Payment Ecosystems

Multiple payment channels with low integration and reconciliation challenges.



Limited Analytics & Decision Visibility

Poor data quality and limited real-time insights for decision-making.



Timely Alert / Complaint Management System

No integrated system for proactive alerts and complaint resolution.



SITA – NATIONAL DIGITAL PLATFORM & INTEGRATION

Empowering Municipalities in the FinTech Space

GOVERNMENT CLOUD INFRASTRUCTURE



Secure, Scalable & Resilient

NATIONAL IoT PLATFORM



Smart Meters, Sensors & Devices

CYBERSECURITY SERVICES



Secure by Design, Protect & Prevent

DATA INTEGRATION & APIS



Standardised APIs, Interoperability & Data Exchange

DIGITAL ANALYTICS & AI



Real-time Insights, Predictive Analytics & AI

NATIONAL INFRASTRUCTURE MONITORING



Unified View of Municipal Assets & Performance

ENABLED OUTCOMES FOR MUNICIPALITIES IN THE FINTECH SPACE

- ✓ Improved Revenue Collection & Cash Flow
- ✓ Integrated Digital Payment Ecosystem
- ✓ Reduced Losses (Water & Electricity)
- ✓ Better Citizen Experience & Timely Services
- ✓ Data-Driven Decision Making
- ✓ Enhanced Security & Compliance
- ✓ Operational Efficiency & Cost Savings
- ✓ Sustainable Financial Management



SITA'S MISSION: INTEGRATE. INNOVATE. EMPOWER. Building a connected, secure and intelligent municipal ecosystem.

Municipal Payment & FinTech Innovation

Examples of Capabilities – Not Endorsements

 PayShap Real-time, low-cost account-to-account payments. 	 Ozow Instant “Pay by Bank” for municipal bills. 	 Lesaka Strong township payment network and merchant ecosystem. 	 Stitch Open Banking APIs for integrating municipal payment channels. 	 Capitec Pay Convenient digital payments through one of South Africa’s largest retail banks. 
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These fintech solutions and many others can be integrated into a unified municipal payment ecosystem to deliver convenience, lower costs and better outcomes for citizens and municipalities.

GLOBAL EXAMPLES – DIGITAL PAYMENTS TRANSFORMING LIVES

 SINGAPORE  PayNow Nationwide real-time payments linked to bank accounts and mobile numbers.  Used by 8 in 10 Singapore residents	 INDIA  UPI Real-time, interoperable payments infrastructure used across the nation.  10+ Billion transactions per month	 BRAZIL  pix Instant payments 24/7, transforming financial access for millions.  Over 150 Million users	 KENYA  M-PESA Mobile money that drives financial inclusion and powers everyday payments.  Over 50 Million active users	 CHINA  Alipay Digital wallet platform powering payments, services and lifestyle at scale.  1+ Billion users
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LESSON FOR MUNICIPALITIES: Interoperable platforms, instant payments and digital inclusion drive economic growth, improve service delivery and build trust.



Better for
Citizens



Stronger for
Municipalities



Sustainable for
the Future

From Municipal Constrains to Digital Solution

Especially for Spaza Shops and Township Communities

THE CURRENT REALITY: FRAGMENTED & COSTLY



Citizens and Spaza Shops use multiple channels and devices to make utility payments.

Multiple Platforms. Multiple Costs. Multiple Devices.

Bank App



Data Cost
+ Service Fee

USSD



Session Fee

Wallet App

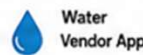


Data Cost
+ Service Fee



Electricity
Vendor App

Data Cost
+ Token Fee



Water
Vendor App

Data Cost
+ Service Fee



Card
Payments

POS Cost
+ MDR Fee



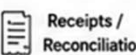
Airtime Top-up
for Tokens

Airtime costs
+ Service Fee



Agent/Spaza
Collections

Commission
+ Handling Fee



Receipts /
Reconciliation

Manual Effort
+ Time Lost

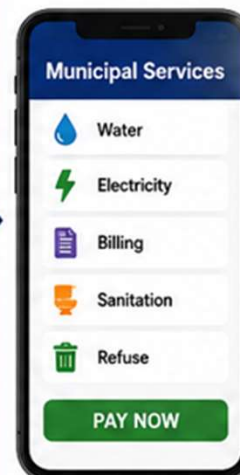


High costs for citizens • Time-consuming • Confusing • Prone to errors
Poor reconciliation for municipalities • Lost revenue

TIME FOR
INTEGRATED
SOLUTIONS

THE SMARTER WAY: INTEGRATED & COST-EFFECTIVE

One Integrated Platform. One Channel. Lower Cost. Better Experience.



ONE PLATFORM

All services in one app, wallet, USSD or agent channel.



LOWER COST

Reduced data, transaction and service fees.



SAVE TIME

Faster, simpler and more convenient payments.



SECURE & RELIABLE

Accurate, real-time transactions and instant reconciliation.

INTEGRATION OF:



Smart Meters



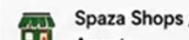
IoT Platforms



SITA Pay / Wallet /
EasyPay



Municipal Systems



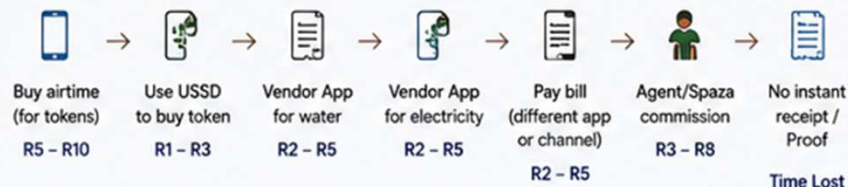
Spaza Shops /
Agents



Lower cost for citizens • Inclusive & convenient • More payments
Better cashflow for municipalities • Improved service delivery

THE IMPACT OF FRAGMENTATION VS INTEGRATION

TYPICAL CITIZEN PAYMENT JOURNEY (EXAMPLE)



Estimated extra cost per payment journey: R15 – R36
For low-income households, this is a significant burden!

COST COMPARISON PER PAYMENT (EXAMPLE)

	FRAGMENTED (Multiple Channels)	INTEGRATED (One Platform/Channel)
Data Cost	High	Lower
Transaction Fees	Multiple Fees	Lower Fees
Channel / Agent Fees	High	Lower
Time to Complete	10 – 15 mins	1 – 2 mins
Total Cost Impact	R15 – R36	R2 – R5

WHY IT MATTERS



Citizens save money and time



Spaza shops reduce complexity and increase trust



Municipalities collect more, faster and with less leakage



Supports financial inclusion and digital economy growth

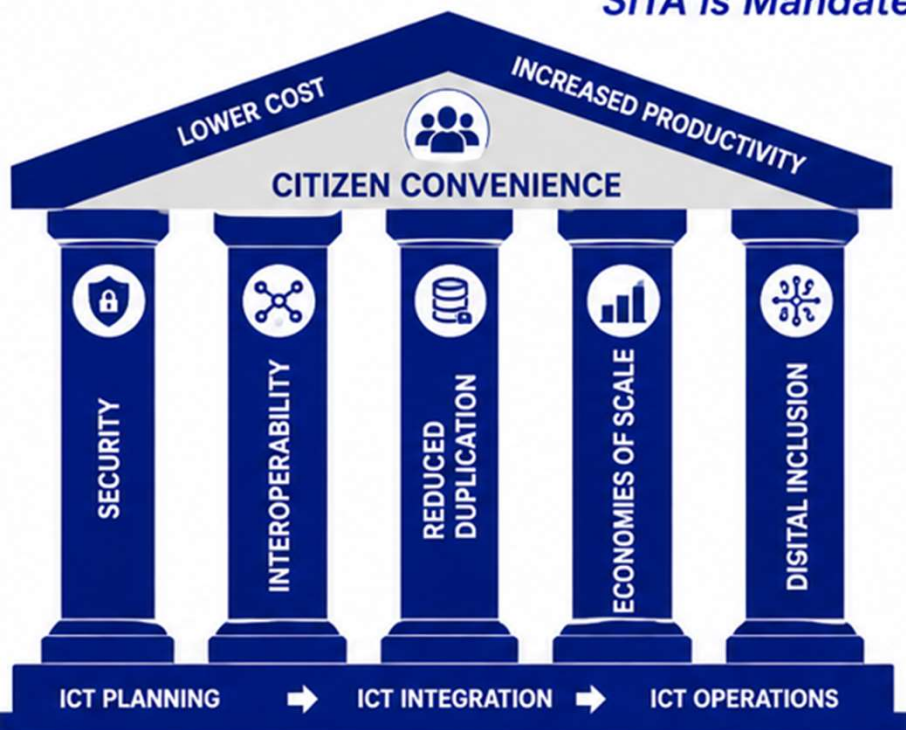


INTEGRATION IS NOT JUST A TECHNOLOGY CHOICE – IT IS A COST, ACCESS AND SERVICE DELIVERY IMPERATIVE.

Let's make payments simple, affordable and accessible for every South African.

Municipal FinTech & Inclusiveness

SITA is Mandated – Municipalities are Invited to Partner



SITA IS MANDATED TO ENABLE DIGITAL TRANSFORMATION

SITA is the central enabler of digital government. We provide the platforms, infrastructure, integration and innovation that municipalities need to deliver better services.



MUNICIPALITIES ARE INVITED TO PARTNER WITH SITA



Partner with SITA
to leverage proven platforms, expertise and innovation.



District & Local Municipalities
work together and share infrastructure.



Interoperable Systems
integrate, exchange and reuse data.

THE RESULT: SHARED INFRASTRUCTURE. SHARED SUCCESS.



LOWER COST
Shared platforms reduce operational and capital costs.



ECONOMIES OF SCALE
More municipalities, greater value and sustainability.



BETTER SERVICES
Reliable, secure and seamless services for all citizens.



STRONGER COMMUNITIES
Digital inclusion drives economic growth and social development.



LET'S WORK TOGETHER

Let's build a connected municipal ecosystem where costs are lower, services are better, and every citizen benefits.



**ONE DIGITAL FUTURE.
ONE NATION.
ONE PURPOSE.**



NATIONAL ENABLER

SITA provides the national digital platforms, cloud, integration, cybersecurity, data and shared services.



DISTRICT COORDINATION

District Municipalities coordinate, standardise and support interoperability across local municipalities.



LOCAL DELIVERY

Local Municipalities deliver services efficiently using shared infrastructure and digital solutions.

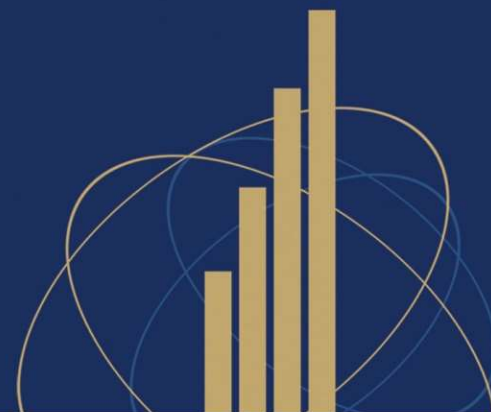


**SHARED INFRASTRUCTURE.
SHARED DATA.
SHARED PROSPERITY.**
The Power of Partnership.

STRONGER TOGETHER. SMARTER TOGETHER. BUILDING A DIGITAL MUNICIPAL ECOSYSTEM THROUGH PARTNERSHIP.



Thank You!



CIGFARO
Chartered Institute of
Government Finance, Audit & Risk Officers

www.cigfaro.co.za

SAQA Recognised Professional Body