



PRODUCT PROFILE

Summary

TapWater provides innovative prepaid water metering systems for households and communities.

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Content

- 01 *Product Overview*
- 02 *Product & Solution*
- 05 *Key Benefits*
- 06 *Technology Integration*
- 07 *Success Stories*
- 09 *Key Projects*



Product Overview

TapWater is a leading provider of innovative water management solutions, specializing in prepaid water metering systems for both household and communal use.

Our products are designed to promote efficient water usage, enhance transparency in billing, and provide convenient, user-friendly interfaces that empower consumers and utility providers alike.

At TapWater, we believe in harnessing technology to address the challenges of water distribution and management, particularly in underserved communities.

Product & Solutions

Discover our range of innovative water solutions designed to empower and transform your water management.

01 TapWater Household Prepaid Water Meter:

A smart, prepaid water meter designed for individual households, equipped with a remote Customer Interface Unit (CIU) that allows users to manage their water usage efficiently.

Key Features:

Household Prepaid Water Meter:

- ◆ Magnetic Field Protection: Prevents tampering and ensures accurate readings.
- ◆ Low Credit Warning: Alerts users when their balance is low to avoid service interruptions.
- ◆ Mobile Money Integration: Simplifies recharging through mobile platforms for added convenience.
- ◆ Tamper Detection and Record: Monitors and logs any unauthorized attempts to access the meter.
- ◆ Flexible Tariff and Debt Collection Setting: Customizable billing options to suit various usage patterns.
- ◆ 20-Digit STS Encryption: Ensures secure transactions and data protection.
- ◆ Data Storage: Retains over 10 years of data even in the absence of power.
- ◆ Long Battery Life: Operates for up to 4 years on a single battery charge.

Product & Solutions

02 TapWater Communal Meter (TAPWATER KIOSK):

A communal water metering system that operates on a prepaid basis, enabling communities to share a single water meter with an ATM-like interface for easy access.

Key Features:

Communal Meter :

- ◆ Smart Card Usage: Users can recharge and access water through a contactless smart card.
- ◆ Solar Power: Utilizes green technology to operate in areas with limited power supply.
- ◆ Remote Monitoring System: Allows for real-time tracking of water usage and system status.
- ◆ Custom Pricing Per Liter: Offers flexible pricing models based on community needs.
- ◆ Geolocation Coordinates: Facilitates easy installation and monitoring of the meter's location.

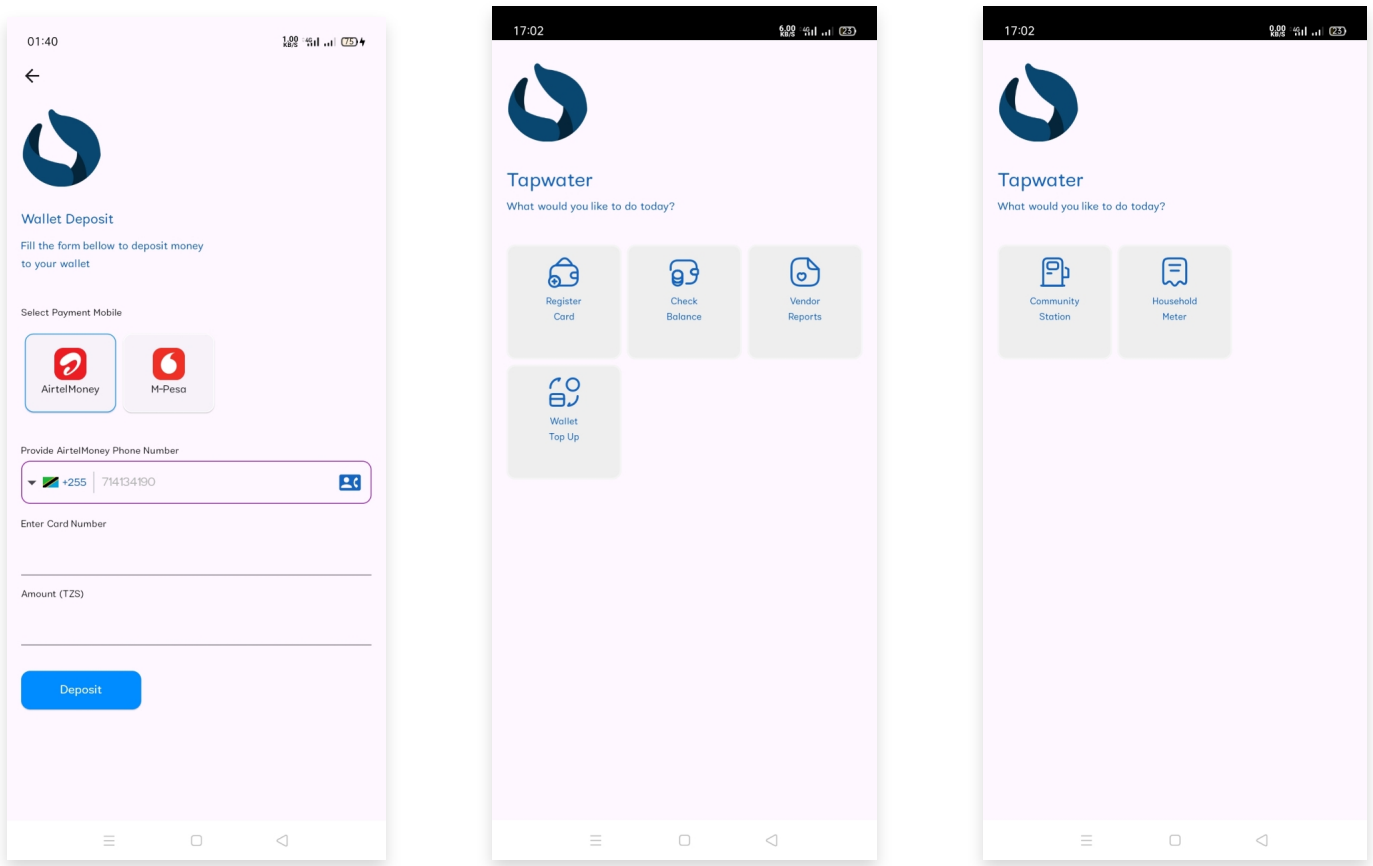
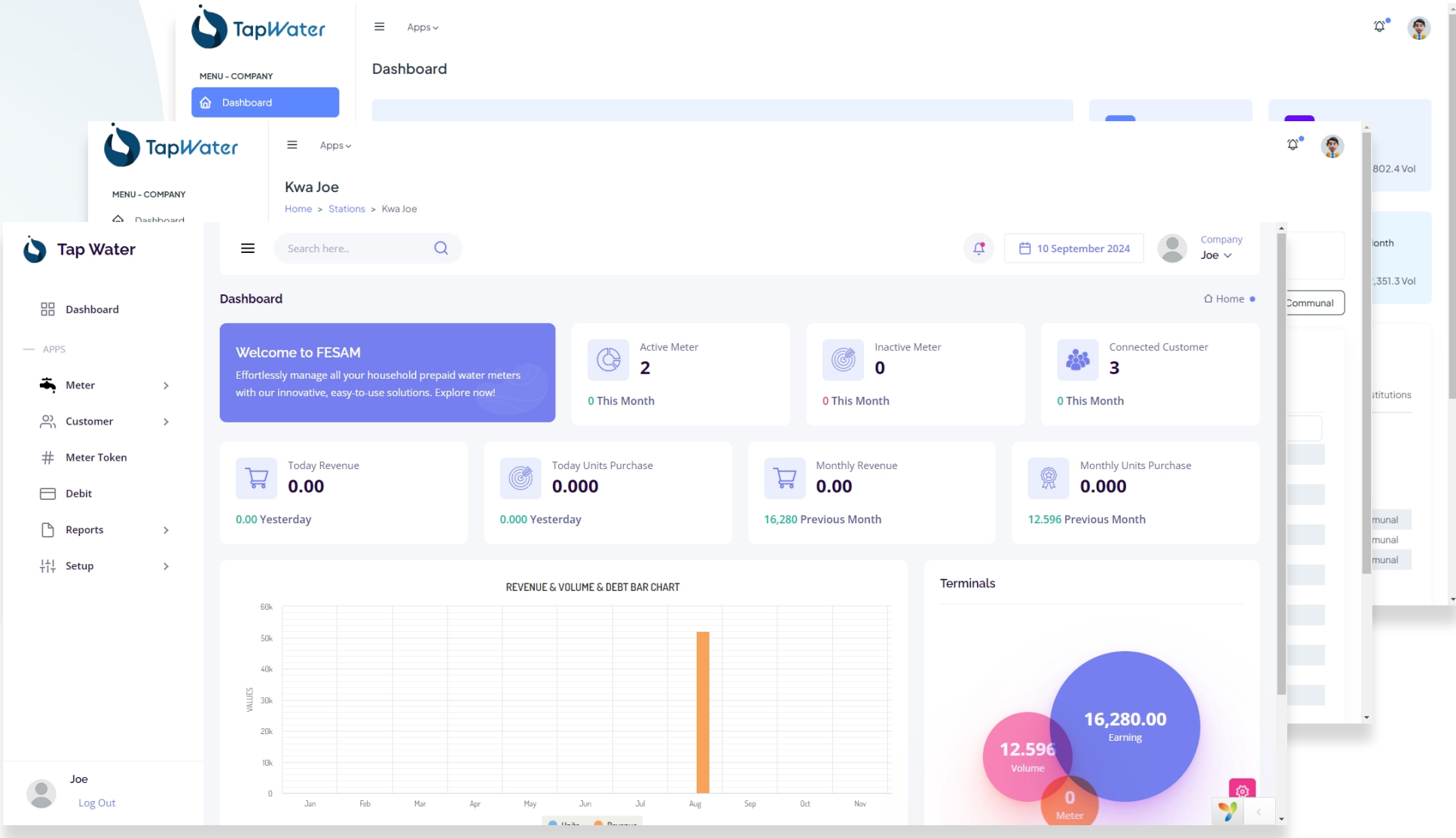


Product & Solutions

03 Web Portal and Mobile App:

A communal water metering system that operates on a prepaid basis, enabling communities to share a single water meter with an ATM-like interface for easy access.

- ◆ **Web Portal:** Provides a user-friendly interface for utility providers to monitor and analyze water usage and revenue data. The portal helps optimize resource allocation, identify savings opportunities, and manage revenue efficiently.
- ◆ **Mobile App:** Enables users to check their water usage balance, recharge their smart cards, and view consumption history. It also assists utility providers in registering new users and managing daily operations.



Key Benefits



Water Conservation

Encourages responsible water usage by creating awareness through real-time monitoring and prepaid usage.



Billing Transparency

Eliminates disputes with a clear and straightforward prepaid billing system.



Operational Efficiency

Streamlines daily operations for water utilities with real-time data and remote monitoring capabilities.



Sustainability

Promotes environmental sustainability by integrating solar power and offering flexible, user-friendly solutions.



Ease of Use

Designed for easy installation and use, even in remote or underserved areas.

Technology Integration

01 Mobile Money Integration

Seamlessly integrated with mobile money platforms to enable easy, self-service recharges for both household and communal meters. This feature ensures that users can manage their water consumption conveniently from anywhere.

02 Smart Card Technology

TapWater meters use secure smart card technology, allowing users to control their water consumption and recharge their accounts through various accessible methods, including mobile apps and physical kiosks.

03 Solar Power Utilization

Our communal meters are equipped with solar panels, ensuring they operate efficiently even in areas with limited or no access to electricity. This feature highlights our commitment to sustainability and green technology.



SUCCESS STORIES

1. Household Prepaid Water Meter Success:

Location:

Riroda, Babati District, Manyara Region, Tanzania

In Riroda, a village in the Babati District of Manyara Region, TapWater's Household Prepaid Water Meters have made a significant impact. Prior to the installation, residents struggled with inconsistent billing and had limited control over their water usage. With the introduction of TapWater meters, households now enjoy transparent billing and the convenience of mobile money integration for easy recharges.

The system has led to a substantial reduction in water wastage, as residents are now more mindful of their consumption. This has not only improved water management but also contributed to better financial planning for the families in Riroda.

Success Stories

2. Communal Water Metering Success:

Location:

Sangara Village, Babati District, Manyara Region

Namanyere, Nkasi District, Rukwa Region

imanjiro District, Manyara Region

In these diverse regions, TapWater's Communal Water Meters have transformed water access for entire communities. In Sangara Village, Namanyere, and Simanjiro, access to clean water was a daily challenge, with long queues and disputes over water usage being common. TapWater's prepaid communal meters, equipped with solar power and smart card technology, have provided a reliable solution. The transparent pricing and easy access have not only reduced conflicts but also ensured that water is available 24/7, even in areas with limited electricity. These meters have become a lifeline for these communities, improving health outcomes, reducing the time spent collecting water, and fostering a sense of shared responsibility for water conservation.

Key Projects

Community Water Kiosks Installation

Successfully implemented communal water kiosks in Sangara Village, Namanyere, and Simanjiro, providing reliable and equitable access to water.

Household Prepaid Meter Rollout

Deployed household prepaid water meters in Riroda, enhancing water management and billing transparency for the village's residents.

Utility Partnership Programs

Collaborated with local water utilities to integrate our metering solutions into existing infrastructure, improving service delivery and revenue collection.



Tap Water – Product Profile



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Partner with Fesam Solutions today to transform your water
management systems with smart, sustainable solutions.



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