



COMPANY PROFILE

Smart (Prepaid) Water Metering Solutions



LIPA MAJI NA



CALINMETER - AUTHORISED DISTRIBUTOR



深圳市科领表计有限公司
Calinmeter Group Limited





JEIS Industries Company Limited is a Tanzanian privately owned Telecommunications & IT services and solutions company in Tanzania

Specifically within the Water Metering sector, JEIS deals with the Supply, Installation & Management of Smart (prepaid) Water Metering Solutions and Water Revenue Management System Software.

We are introducing this solution in Tanzania, as a fully-fledged solution that supports Mobile Money Payments such as Mpesa, Airtel Money, Tigopesa & Ezypesa; We target to serve Clients such as Regional Water Service Providers, Property Investors/Developers and Private Water Companies.



Our Vision is to make Water Management practices Efficient by enabling both the Water Service Providers & Water Consumers better Manage and Control Water Supply to their Financial Benefit.



Our Mission is to serve our Clients with Commitment & Operational Excellence, while building enduring & lasting Partnerships

Our products

Common Features

- a) Contact-less Transponder technology
- b) Split operation with a in home CIU
- c) Up to 1 mile communication range (RF communication)
- d) LCD and Counter register display
- e) Potted electronics making meter water resistant (**Waterproof**)
- f) Tamper and fraud proof (**Robust**)
- g) Low credit warning
- h) Over 10 years' data retention in absence of power
- i) Prepared for AMR / AMI functions (optional)
- j) DLMS/ COSEM or equivalent open communication protocols
- k) Integrated low power bistable latched valve 4 million on/off in battery life
- l) STS Technology
- m) Devices Materials are either **PLASTIC** or **BRASS**

Common Benefits

- 1) Quick and easy installation, ideal for both new reticulation and retrofittings
- 2) Multi-rate and usage record on Time of Use (TOU) basis
- 3) Self-register with head-end sever system
- 4) Flexible setting of free basic water, emergency credit, low credit warning, repayment policy
- 5) Supports drive-by reading and fully automated reading for AMI smart metering applications
- 6) Remote reading and valve control on / off
- 7) Reduced operational and inventory cost



1. STS Prepaid - Keypad Type Water Meter (Stand-alone)



The CAW-K series is an STS (Standard Transfer Specification) compliant, electronic valve controlled, water meter recharging via a built-on 4x3 keypad.

The meter operates with STS standard compliant 20 digits' code to handle credit .

Customers purchase credit at vending points to get a 20 digits code. They enter this code via keypad to the meter and complete the recharge.

2. STS Prepaid - Split Keypad Water Meter with RF communication



The CA568 is a multi-jet wet type, STS compliant prepaid water meter. The meter works with a low power bistable latched valve driven by battery that is able to open and shut for 4 million times during battery lifetime.

The meter works with a customer interface unit(CIU) through Radio wireless communication. The CIU is installed within customer's premise when the meter is installed in a meter cabinet or kiosk on pavement away from the customer. Information like token acceptance and rejection, credit status, historical usage data can be displayed with the LCD of the CIU.

This split design makes the meter immune to any tamper and fraud on CIU side. The meter is reinforced in its wireless communication with LoRa technology, allowing the meter to communicate with a Customer Interface Unit (CIU) or a head-end Server (HES) from a visual distance up to 1 mile.

To top-up or recharge the water meter, a consumer just need to purchase 20 digits' credit token from the vendor and punch in the code with the CIU.

Summary Features

- a) Split operation with a in home CIU
- b) Up to 1 mile communication range
- c) LCD and Counter register display

3. STS Prepaid - IR Water Meter



The CA568 series is an STS (Standard Transfer Specification) compliant, electronic valve controlled, water meter recharging via a built-on 4x3 keypad.

The meter operates with STS standard compliant 20 digits' code to handle credit.

Customers purchase credit at vending points to get a 20 digits code. They enter this code via keypad to the meter and complete the recharge.

4. STS Prepaid - GPRS Multi Jet Water Meter (Standalone)

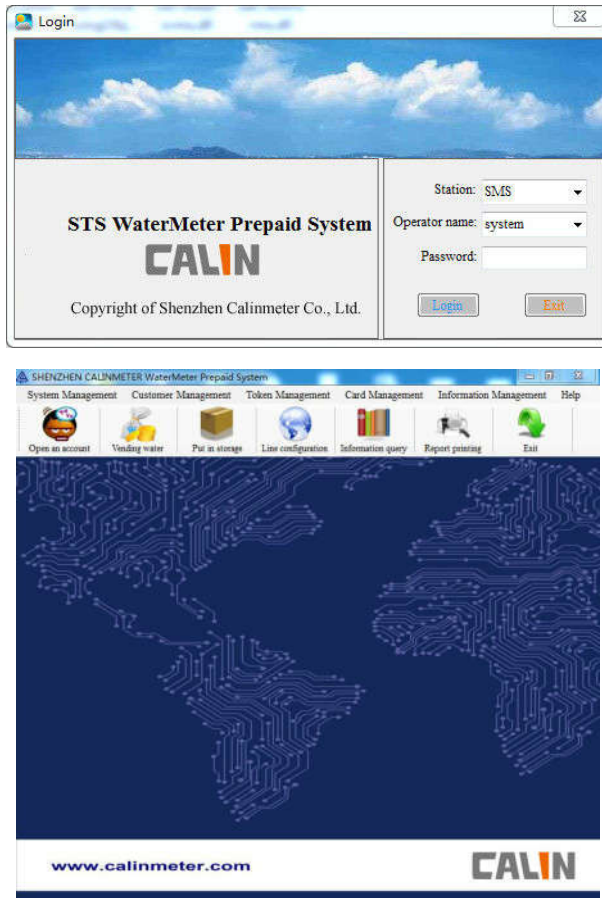


The CA568-G is a multi-jet wet type, **GPRS remote reading and prepaid water meter**. The meter works with a low power bistable latched valve driven by battery that is able to open and shut for 4 million times during battery lifetime.

The meter works with our Billing system station, **the water meters can transmit the data via GPRS to the Billing station.**

GPRS connectivity is Up to 1 mile communication range

5. Vending Management System For Utility Workflow



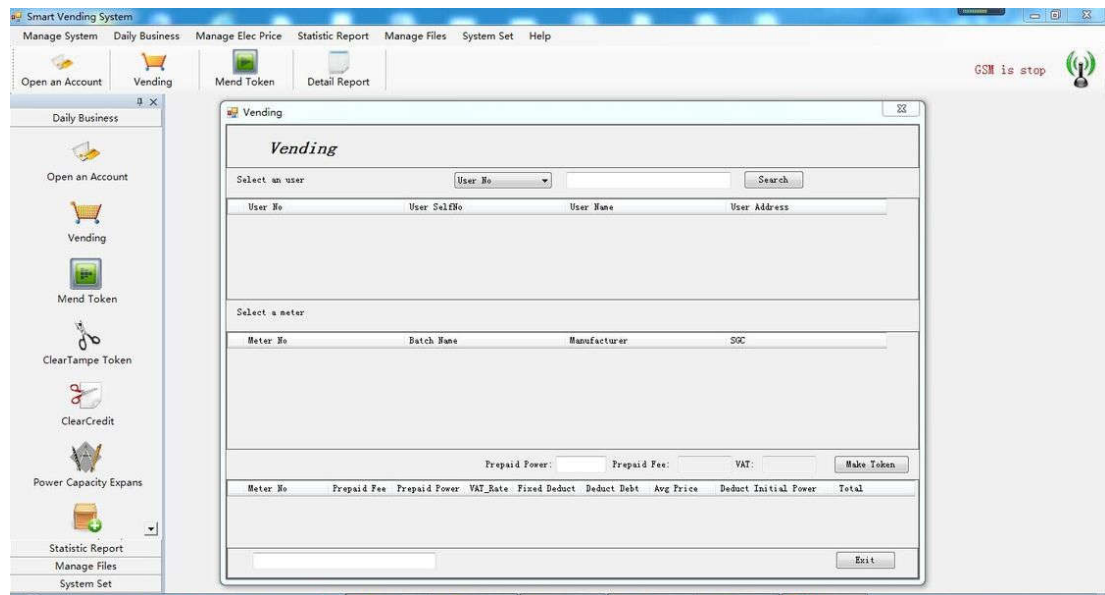
Calin prepayment vending system is a straight forward and user friendly system to operate.

It provides many benefits to both water companies and end users, including guaranteed revenue and arrears collection, extensive management tools through detailed report functionality and the ability for customers to manage their budgets more easily.

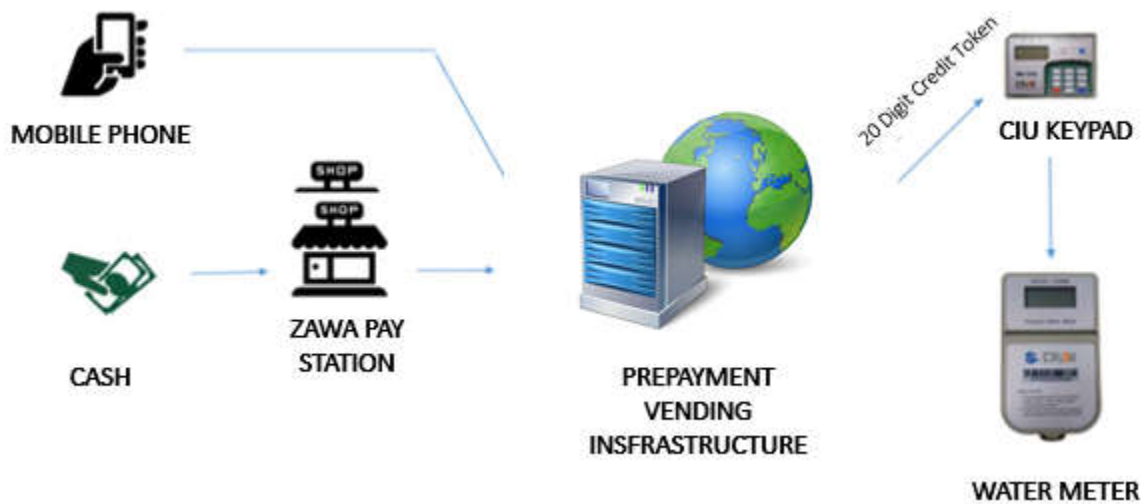
A utility or service provider can make flexible payment settings with the system, such as free basic water, emergency overdraft water credit, low balance warning level, arrear repayment control policy, and etc.

The entire operation workflow is designed exactly as daily operation of a utility company managing their prepaid water meter consumers from meter inventory input, open account, meter allocation and installation, vending ,and sales report.

Thanks to its STS compliance, this system can also be used for prepayment vending management for electricity meters as well.



HOW IT WORKS





1. Prepaid water meters installation in Malawi, Lilongwe (**Lilongwe Water board**)
2. Prepaid water meters installation in Rwanda, Kigali (Pilot Phase)



Ground Floor, House #377, Mwai kibaki rd,

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Mail: info@jeisindustries.com

Web: www.jeisindustries.com

LICENSES

C.1

TANZANIA



Certificate of Incorporation

Section 15

No **68779**

I HEREBY CERTIFY THAT

JEIS INDUSTRIES CO. LIMITED =====

is this day incorporated under the Companies Act, 2002 and that the Company is Limited

Given under my hand at Dar es salaam

this **28TH** day of **NOVEMBER**

TWO THOUSAND AND EIGHT


Assist. Registrar of Companies

/MM

MLH/24/0844

TFN. 226
(Rev. 2/96)



JAMHURI YA MUUNGANO WA TANZANIA

LESENI YA BIASHARA

ID: 43980 RC: 68779 B 2690844

(Imetolewa chini ya Sheria ya Leseni za Biashara Na. 25 ya Mwaka 1972, marakebisho ya mwaka 1980 na masharti yaliyo nyuma)

*Futa isiyotakiwa.

1. Ofisi iliyotolewa **MANISPAA YA KINONDONI**

2. Nambari ya Ushuru wa mapato **107-506-551**

3. Leseni imetolewa kwa **JEIS INDUSTRIES COMPANY LIMITED** kutendesha biashara ya **ICT SERVICES** katika Wilaya/Kanda* ya **Kinondoni** Mtaa **Mikocheni**

4. Ni ya Shimo/Tawi* **200001** Ada Sh. **200001** Nambari ya Stakabadhi **357/466** ya tarehe **21/12/2017**

5. Mpya inaendeleza* muda wa Leseni Na. **2364101** ya tarehe **23/9/2016**

(ii) Muda wa leseni hii unashia 30 Juni, 20 **21/9/2018**

Tarehe **22/12/2017** 
GP-Dam **Box** **tsm**

Sahiti wa Mchiri wa Mtoaji Leseni



THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF LABOUR AND EMPLOYMENT
OCCUPATIONAL SAFETY AND HEALTH AUTHORITY
THE OCCUPATIONAL HEALTH AND SAFETY ACT NO.5 OF 2003



CERTIFICATE OF REGISTRATION OF WORKPLACE

REG CERTIFICATE NO: **DAR/2018** NO. **05407**

DATE OF ISSUE: **8TH APRIL, 2013**

I hereby certify that the workplace named below has been duly registered in pursuance of section 16 of The Occupational Health and Safety Act, 5 of 2003.

Name of the Occupier / Owner: **JEIS INDUSTRIES COMPANY LTD.**

Address Workplace: **P.O. BOX 12689, DAR ES SALAAM**

Location of Workplace: **PLOT NO. 52, MSIKITI ROAD, MIKOCHENI B, KINONDONI**

Nature of Work: **ICT- SPECIALIZED TELECOMMUNICATIONS SERVICES**

DR A.V. KAYUMBA

CHIEF INSPECTOR

Note

1. This certificate is valid only in respect of the occupier and workplace named above.
2. This certificate is issued under, and solely for the purpose of, the Occupational Health and safety Act, and without prejudice to the requirements of any other legislation relating to the occupation of premises for industry purposes.
3. This Certificate should be attached to the General Register.

ISO 9001: 2008 CERTIFIED



TANZANIA REVENUE AUTHORITY

Certificate of Registration for Value Added Tax (VAT)

(ISSUED UNDER SECTION 20 OF THE VALUE ADDED TAX ACT NO. 24 OF 1997)

THIS IS TO CERTIFY THAT
JEIS INDUSTRIES COMPANY LIMITED

WHOSE TAXPAYER IDENTIFICATION NUMBER (TIN) IS **107-506-551**

HAS BEEN REGISTERED FOR VALUE ADDED TAX (VAT)

AND ASSIGNED VAT REGISTRATION NUMBER (VRN) **40-021635-D**

FOR BUSINESS LOCATED AT **KUITONYAMA 41 DAR ES SALAAM**

WITH EFFECT FROM **09 June 2015**

GIVEN UNDER MY HAND

THIS **9th** DAY OF **June 2015**


P. N. Kassera
COMMISSIONER FOR VAT

VAT **VAT**