



Fluid Technology

Kaifeng Shengda Water Meter Co., Ltd

<https://www.sdflowmeter.com/>



SDWM
Fluid Technology

ABOUT US

CERTIFICATIONS

PRODUCTION PROCESS



Fluid Technology

ABOUT US

COMPANY PROFILES



Kaifeng Shengda Water Meter Co., Ltd. was founded in 1995 with factory at NO.88, Weidu road, Kaifeng City, Henan Province, China. We are the manufacturer with many years rich experience in water meter and flow meter production. Our factory covers an area of 50,000 square meters and have more than 200 employees. The production capacity can reach 3 million units per year. With first-class production equipments and intelligent production line, we can provide you best quality products. Our company cooperates with more than 40 domestic water companies and exported to more than 130 countries around the world. We expect to establish long and good busieness relationship with you!



Enterprise Profile

DEVELOPMENT

HISTORY

Founded in 1995, rich experience and excellence in manufacturing water meters and flow meters

1995

50000

2 factories, the area cover 50000 square meters

More than 20 test report and patents

20

More than 107 honors.
High quality and considerate services

107

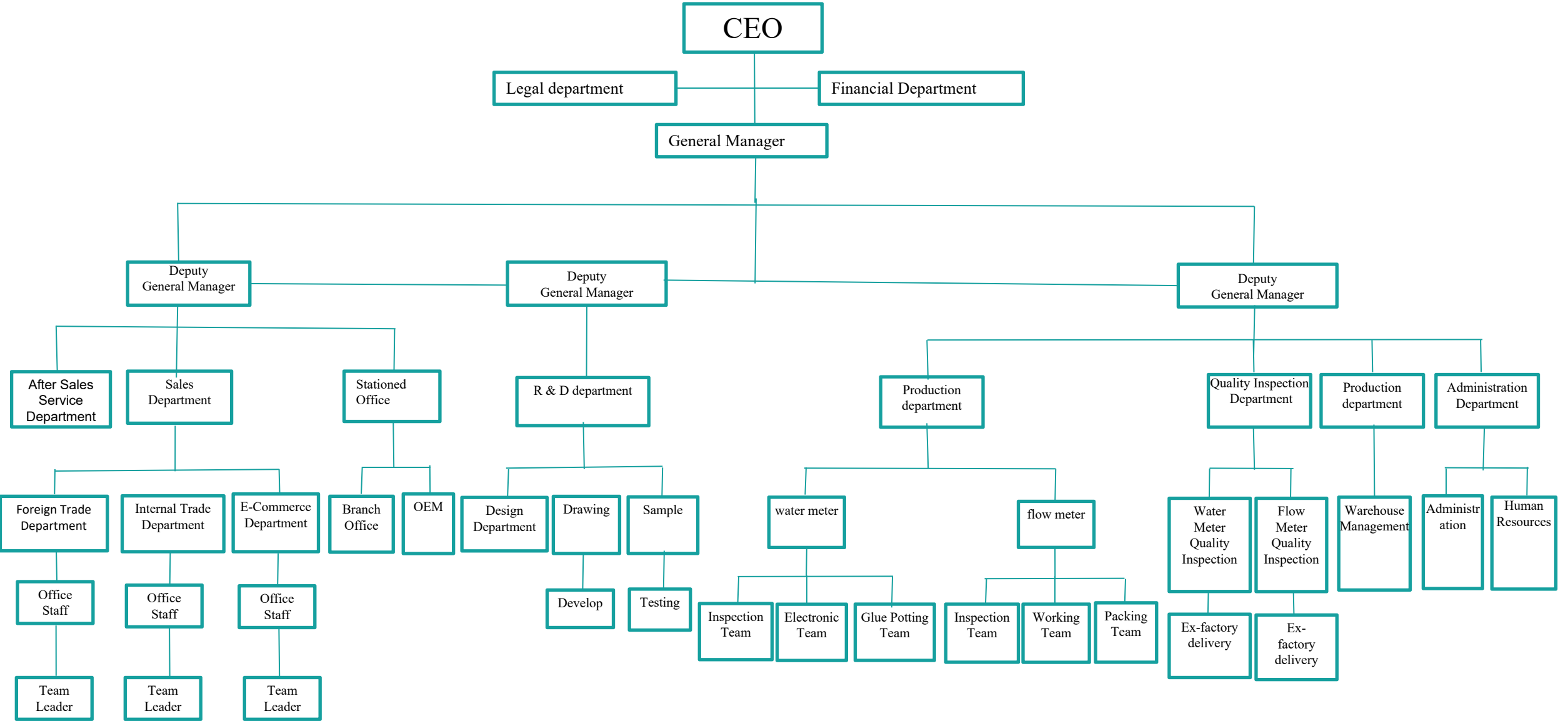
200

More than 200 staffs, 48 technicians

Cooperate with more than 40 domestic water
companies and export to more than 130 countries

40

Kaifeng Shengda Water Meter Co., Ltd. Organizational Chart

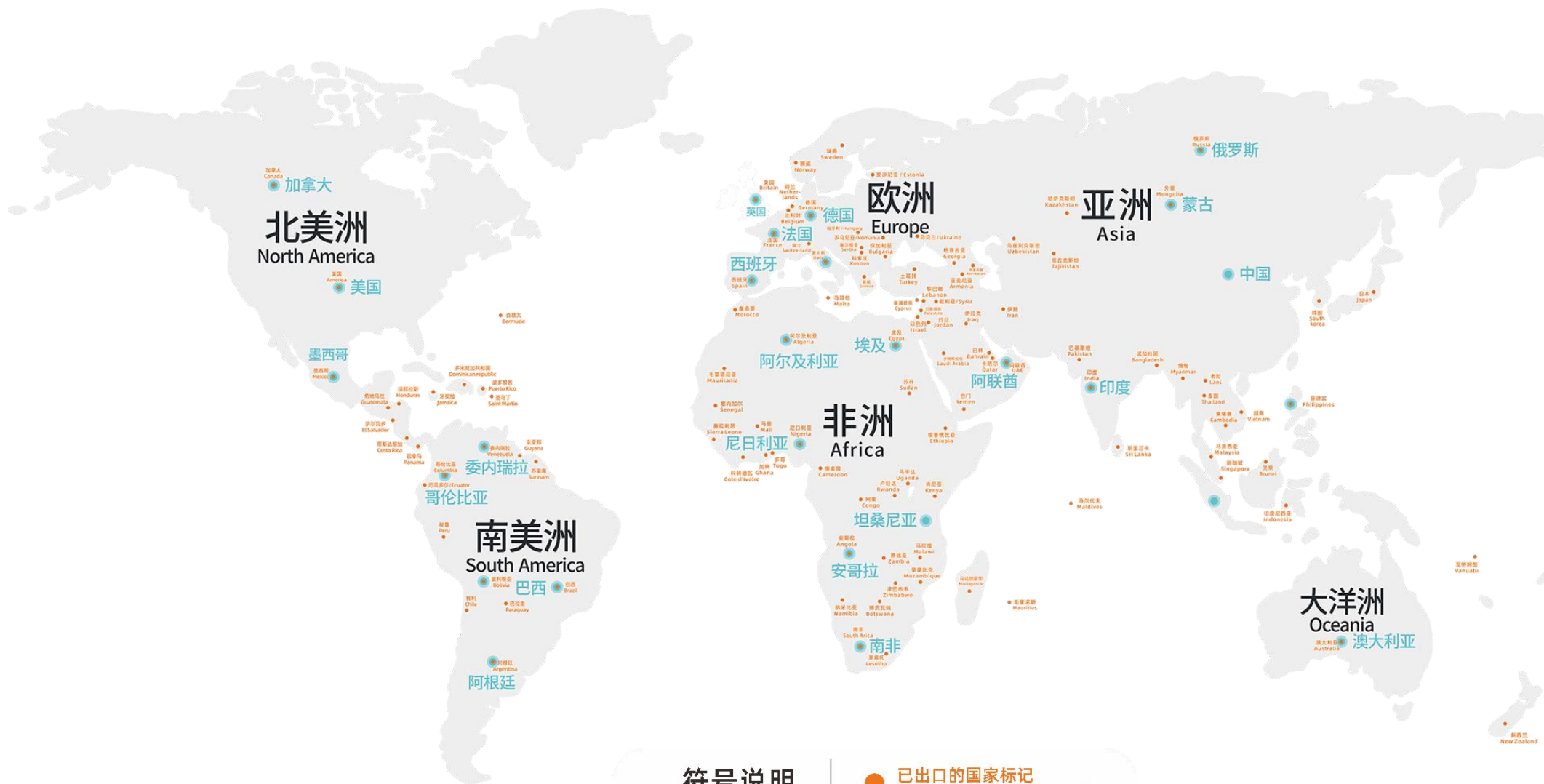


Business in Domestic and International Market

At present, the company has 7 offices in China; three exclusive agents overseas, and more than 10 ordinary agents.



We Had Exported to More than 130 Countries Worldwide



符号说明

Symbol description

● 已出口的国家标记
Exported country mark

Branches in China

7 offices in China as below:



Chengdu City

The main local water meters are around 15000 to 20000 units per year, with the main customer being Sichuan Mingxing Power Co., Ltd. Water Supply Branch.



Gansu Ningxia

Main sales: NB water meters

Ningxia Shuitou Hongsibao Water Affairs; Water Supply and Drainage Service Center in Honggu District, Lanzhou City, Gansu Province; Huazhuang Rural Drinking Water Safety Engineering Management Institute in Honggu District, Lanzhou City; Ningxia Water Investment Pingluo Water Affairs; Ningxia Water Investment Yinchuan Water Affairs Co., Ltd; Lanzhou Shangjingcheng Real Estate Development Co., Ltd. has an annual sales revenue of 10 million yuan.



Changzhi City, Shanxi Province

Mainly used for NB remote water meters
Electromagnetic flowmeter

Annual sales of around 1200W RMB

7 offices in China as below:



Baoding City, Hebei Province
Mainly used for NB remote water meters
Electromagnetic flowmeter

Annual sales of around 12 million RMB



Zhengzhou City
Main sales: NB water meters, IC card meters, and electromagnetic flow meters

The annual sales revenue is 15 million RMB.



Urumqi, Xinjiang
We mainly sell electromagnetic flow meters,

Annual sales revenue of 10 million RMB



Hefei, Anhui
Mainly selling NB water meters
Electromagnetic flowmeter

The sales revenue is 8 million RMB

Agents abroad

3 exclusive agents overseas:



Indonesian Market
Mainly selling LXLC meters and
electromagnetic flow meters
Sales volume: 9 million RMB per year.



Malaysia Market
15 million RMB per year
We mainly sell volumetric water meters.
In the future, at least 5 million RMB per
year, sales of water meters and
electromagnetic flow meters.



Saudi Arabian market
Sales revenue of 5-10 million RMB per
year,
We mainly sell electromagnetic flow
meters and mechanical water meters.

Agents abroad

10+ ordinary agents:

①

US agent

We mainly sell electromagnetic flow meters.

Sales revenue of 5-8 million RMB per year.

②

Angola Market

Main sales IC card water meter

The sales revenue is 6 million RMB per year.

③

Philippines Market

Main sales LORAWAN water meter

The sales revenue is 3 million RMB per year.

④

Nigeria Market

Main sales IC card water meter

The sales revenue is 3 million RMB per year.

⑤

Mongolia agent

We mainly sell lora water meters.

Sales revenue of 2 million RMB per year.

⑥

Tanzania Market

Main sales multi jet nylon water meter

The sales revenue is 10 million RMB per year.

⑦

Vietnam Market

Main sales electromagnetic flow meter

The sales revenue is 3 million RMB per year.



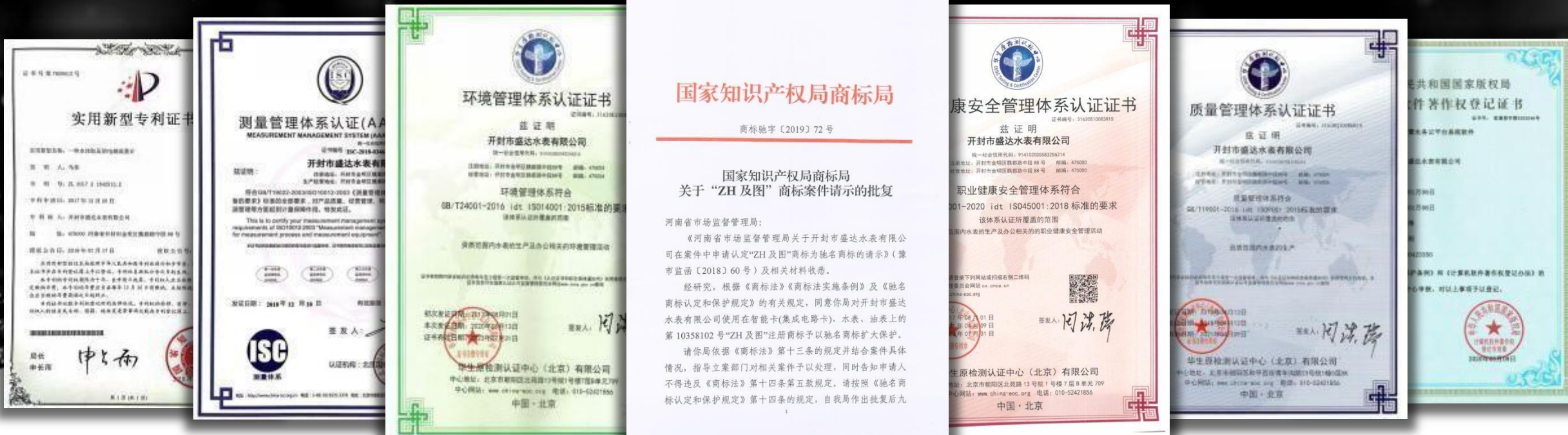
Fluid Technology

CERTIFICATIONS



Certificates







Certification

International certification



Certificates

SASTEK UYGUNLUK DEĞERLENDİRME HİZMETLERİ A.Ş.
Batı Sitesi Mah. Tahsin Kahraman Cad. No:82
Görsel San.Sitesi Yenimahalle, Ankara-TÜRKİYE

AB TİP İNCELEME SERTİFİKASI
EU-Type Examination Certificate

Sertifika Numarası
Certificate Number: MID-2759-2000003 R.00

Teknik Düzenleme
Technical Regulation: 2014/32/EU

Belgenin Verildiği
Issued to (applicant): Kaifeng Shengda Water Meter Co., Ltd.
NO.88, WEIDU ROAD, JINMING DISTRICT,
KAIFENG CITY, HENAN PROVINCE, CHINA.

Ölçüm Cihazı
Measuring Instrument: Su Sayacı / Water Meter

Tip
Type: LXSX DN15-DN20

Temel Gereklilik
Essential Requirements: Ölçü Aletleri Yönetmeliği MI-001 / MID Directive MI-001

Harmonize Standartlar ve Normatif Dokümanlar
Harmonize Standards and Normative Documents: EN ISO 4064-1:2018, EN 14154, OIML R 49-1:2013

Tanımlama ve Dekümantasyon
Description and Deconvolution: Ölçüm cihazı tanımlaması, karakteristik değerleri enay koşulları Final Protokol No MID-2759-2000003 MI-001 verilmiştir. AT Tip Onay sertifikasının ayrılmaz bir parçasıdır.
The principal characteristics, instrument description and approval conditions are set out in the Final Protocol No MID-2759-2000003, which is part of this EU-type examination certificate.

Geçerlilik Tarihi
Valid until: 30.10.2020

Onaylanmış Kuruluş No
Notified Body Number: 2759

Yayın Tarihi
Date of Issue: 30.10.2020

Denizhan ÖZER
Genel Müdür / General Manager

Bu sertifika Onaylanmış Kuruluşun yazılı izni olmadan kopyalanıp çoğaltılamaz. İmzasız ve mühürlü sertifikalar geçersizdir.
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SASTEK **TÜRKAK**
ANONİM ŞİRKETİ
Batı Sit. Mah. Tahsin Kahraman Cad.No:82 Görsel San. Sit. Yenimahalle
ANKARA/TÜRKİYE
TESTING REPORT
DENEY RAPORU

Müşterinin adı/
Customer's name: Kaifeng Shengda Water Meter Co., Ltd.

Adresi / Address: NO.88, WEIDU ROAD, JINMING DISTRICT, KAIFENG CITY, HENAN PROVINCE, CHINA.

Model :
Model: LXSX DN15 / Class B

Standard ve Akıncı:
Standards: TS EN ISO 4064

Tarih:
Date: 29.07.2020 - 23.09.2020

Rapor No:
Report No: SS-001

Sonuçların Hükümleri (Abbreviations)
Bu Madde Numarası Uygulanmaz (Not Applicable): NI
İncelenen Sonuç Uygunsuz (Fail): F
İncelenen Sonuç Uygun Değil (Pass): D

Mühür Rapor Sorumlusu Laboratuvar Müdürü
Person in Charge of report Laboratory Manager

Muhammed YAŞAR M. Burhan SOMUNCUOĞLU

Bu rapor laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürlü sertifikalar geçersizdir.
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Sayfa 1/24

SASTEK UYGUNLUK DEĞERLENDİRME HİZMETLERİ A.Ş.
Batı Sitesi Mahallesi Tahsin Kahraman Caddesi No:82
Görsel Sanayi Sitesi 06370 Yenimahalle / Ankara-TÜRKİYE

2014/32/EU MID - B MODÜLÜ / B MODULE
AT TIP ÜRÜN ONAY BELGESİ
EU TYPE EXAMINATION CERTIFICATE

Sertifika No:
Certificate Number: MID-2759-2200018

Bakanlık Belge No:
Government Certificate Number: MID-2759-2200018

Teknik Düzenleme:
in accordance with: 2014/32/EU - Su Sayacılar (MI-001)
Water Meters (MI-001)

Belgenin Verildiği Firma:
Issued to (applicant) company: Kaifeng Shengda Water Meter Co., Ltd.

Üretim Yeri Adresi:
Manufacturer Address: No.88, Weidu Road, Jinming District, Kaifeng City, Henan Province, China.

Ölçüm Cihazı:
Measuring Instrument: LKH-DN15 Mekanik Soğuk Su Sayacı
LKH-DN15 Mechanic Cold Water Meter

Geçerlilik:
Valid Until: 07.04.2022

Onaylanmış Kurum No:
Notified Body Number: 2759

Yayın Tarihi:
Date of Issue: 07.04.2022

Denizhan ÖZER
Genel Müdür / General Manager

Bu sertifika Onaylanmış Kuruluşun yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürlü sertifikalar geçersizdir. Bu sertifika Final Protokol dokümanının bir parçasıdır.
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SASTEK **TÜRKAK**
ANONİM ŞİRKETİ
Batı Sit. Mah. Tahsin Kahraman Cad.No:82 Görsel San. Sit. Yenimahalle
ANKARA/TÜRKİYE
TESTING REPORT
DENEY RAPORU

Müşterinin adı/
Customer's name: Kaifeng Shengda Water Meter Co., Ltd.

Adresi / Address: NO.88, WEIDU ROAD, JINMING DISTRICT, KAIFENG CITY, HENAN PROVINCE, CHINA.

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Model: LXSX DN15 / Class B

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Standards: TS EN ISO 4064

Tarih:
Date: 29.07.2020 - 23.09.2020

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Sayfa 1/24

ISO4064&CE

شهادة - Certificat - 증명서 - 證明書 - Сертификат - Certificate of Compliance

Form QAT_104-104, version 00, effective since 1 March 2019, 2020

Certificate of Compliance

No. 42210830.KSV/VTN30

Certificate's Holder: Kaifeng Shengda Water Meter Co., Ltd.
No. 88 Weidu Road, Kaifeng City, Henan Province, China.

Certification ECM Mark: 

Product: Water Meter
Trademark: Shengda
Model(s): LXS, LXLC, LXSX, LXLY (DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN800)

Verification to: Standard: ISO 4064-1:2014, ISO 4064-2:2014, EN 14154-1:2005+A2:2011
related to CE Directive(s): 2014/32/EU (Measuring Instruments)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the EC Directive(s). The conformity mark above can be affixed on the products accordingly to the EC Directive(s) regulation about its release and its use.

Additional information and clarification about the CE marking:
 The manufacturer is responsible for the CE marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on EC Directive(s) Voluntary Mark for the certification of products. RG01-EC11 rev.3 available at: www.entecerma.it

Issuance date: 30 August 2021
Expiry date: 29 August 2026

Reviewer: Technical expert Amanda Payne
Approver: EC11 Service Director Luca Bedonni

Ente Certificazione Macchine Srl
Via Ca' Bella, 243 - Loc. Castello di Senavalle - 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 ☎ +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it

شهادة - Certificat - 증명서 - 證明書 - Сертификат - Certificate of Compliance

Certificate of Compliance

No. 0H190619.KSV/T086
Test Report no. XI/IT0201909433L/1 IID

Certificate's Holder: Kaifeng Shengda Water Meter Limited Company
No. 109, Weidu Road, Kaifeng City, Henan Province, China

Certification ECM Mark: 

Product: Smart Water Meter
Model(s): DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN150, DN200, DN250, DN300

Verification to: Standard: EN ISO 4064-1:2017
related to CE Directive(s): 2014/32/EU (Measuring Instruments)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification (Mark of EC11) in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the EC11 regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it. This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the CE marking:
 We attest that a TCF for the CE marking process is in place. Whereas the manufacturer is responsible to start the CE Marking Certification Procedure through an appointed Notified Body and the perform all the necessary activities, as required by the Directive and accepted by the Notified Body, before placing the CE Mark on the product(s).

Date of issue: 19 June 2019
Chief Manager: 
Expiry date: 22 May 2022
Deputy Manager: 

Ente Certificazione Macchine Srl
Via Ca' Bella, 243 - Loc. Castello di Senavalle - 40053 Valsamoggia (BO) - ITALY
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ISO9001&ISO14001



Customer Visitation



Austrilia



Tanzania



Saudi Arabia



Malaysia



Africa



Yemen



Thailand



Malawi



Mongolia



Mexico

Welcome

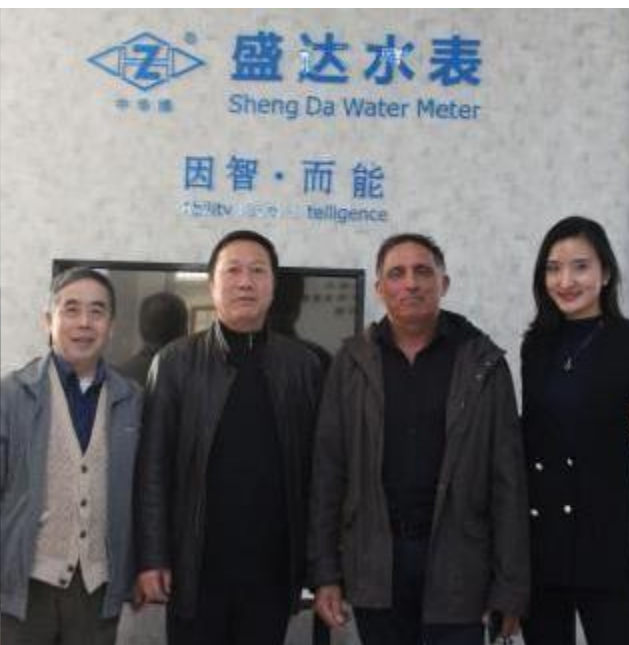
Customer Visitation



Kenya customer



Thailand customer



Australia customer



Mongolia customer

Internation Exhibition





Fluid Technology

Lorawan water meter

Architecture of Intelligent IoT Water Meter System

Household IoT smart water meter

NB-IoT remote water meter



Lora remote water meter



Ultrasonic water meter



Single-jet smart water meter



Pipeline network zoning measurement

Electromagnetic flow meter



Electromagnetic water meter



Ultrasonic water meter



WS vertical woltman water meter



Industrial grade telemetry terminal



Telemetry terminal



Lorawan gateway



Cloud Server



PC end



Mobile end



Single-jet smart water meter

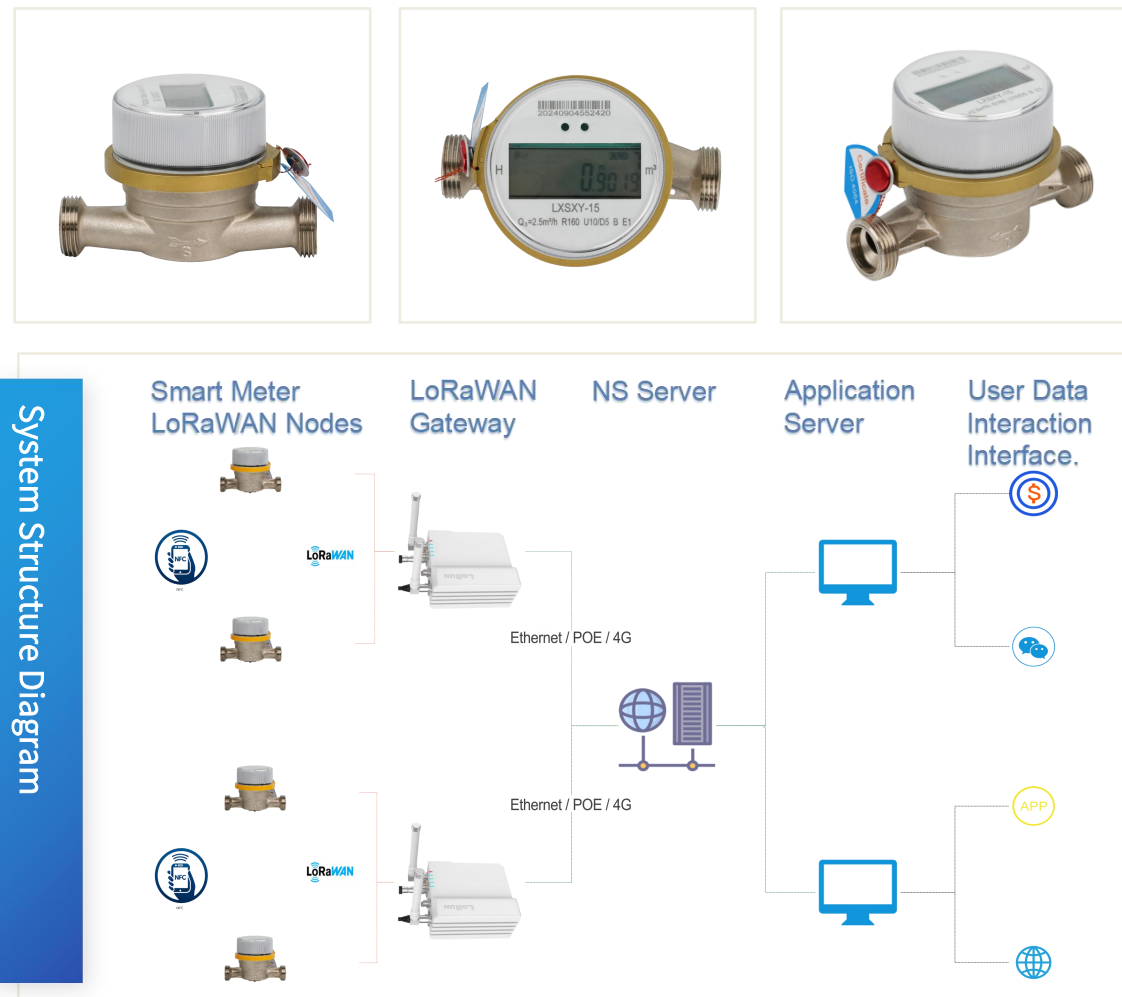


Overview

Smart water meter is based on LoRaWAN protocol network architecture, which has the advantages of low cost, long distance, strong anti-interference ability, high sensitivity and low power consumption.

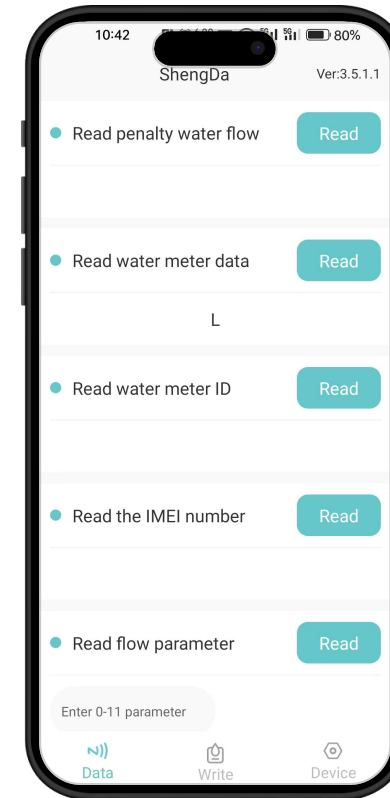
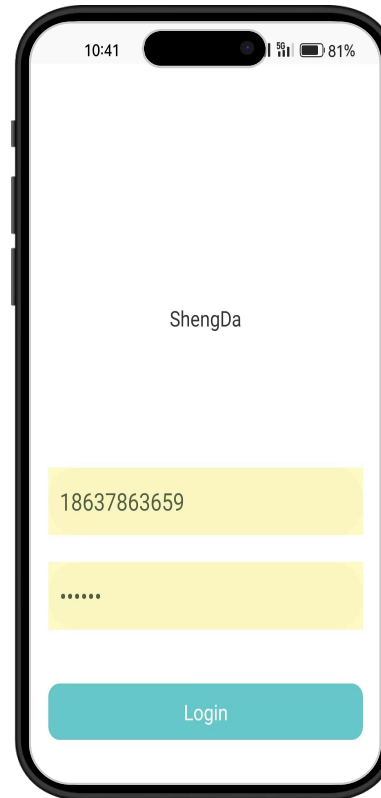
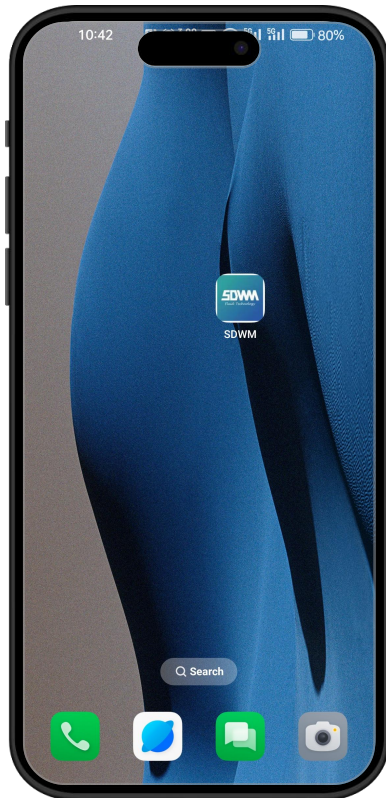
With the Internet of Things, cloud computing, big data and other technologies, the massive water information will be collected, analysed and processed in a timely manner to help water supply enterprises to improve operation and management efficiency, to manage the entire production, management and service processes of the water system in a more refined and dynamic way, to achieve the internal management of the water enterprise and the external service innovation, so as to achieve intelligent management and decision-making.

Cloud computing and other new technologies are widely used, based on the LoRaWAN protocol network architecture technology of smart water will become one of the signs of the level of information technology of smart city management.



Single-jet smart water meter

- Through the mobile phone APP with NFC function, the administrator can read, write and report data and configuration functions.



Single-jet smart water meter



LoRaWAN Gateway

The low-power, low-cost, long-distance, wireless transmission IoT gateway based on the LoRaWAN protocol is designed for terminal equipment with high communication requirements, strong anti-interference ability, high sensitivity, low power consumption, and a large and scattered number of access nodes.



Features

1. Large node capacity: a single gateway can support up to 100,000 node access.
2. Multi-gateway network standby: when a gateway in a multi-gateway network is abnormal, nodes can enter the network through neighbouring gateways to ensure stability.
3. Node roaming: legitimate nodes can move freely within the coverage area of the gateway.
4. Full duplex uplink and downlink support: 8 uplink access channels and 1 downlink transmit channel.
5. Wide coverage radius: it can realise wide coverage of 5Km in city and 15Km in suburb.
6. PoE power supply: support standard Ethernet port power supply and DC12V dual power supply.
7. Power-down alarm: support power-down alarm function.
8. WiFi-based configuration management: provides a convenient and reliable low-cost operation path for base station system management and maintenance.



Single-jet smart water meter



Technical parameters

Specification	Parameter
Working Frequency Band	433MHz\470MHz\868MHz\915MHz\923MHz
Operating Mode	Half-duplex, full-duplex optional
Channel and Bandwidth	8 uplink channels (bandwidth 125KHz), 1 downlink channel (bandwidth 250KHz)
Receiving Sensitivity	-140dBm @ SF12/BW 125KHz
RF Power	24dBm@ 250mW(Typical)
Power supply	
Voltage Input	DC-In 12VDC (12.5V-14.0V). PoE IEEE 802.3af/at (max 30W)
Power Management	Power down alarm
Ground Management	Grounding copper nose terminal
GPS	
Location Timing	Built-in GPS chip
Positioning authorisation	GPS, Beidou
Operating System	
Firmware	Based on Linux
Protocol	
Communication Protocol	LoRaWAN protocol
Security System	
Secure Encryption	AES128

Single-jet smart water meter



Meter Cloud Platform System

Meter cloud platform system is a comprehensive management platform integrating system management, equipment management, production management, marketing and charging, data copying, energy consumption analysis, intelligent warning and other functions.

The platform adopts SaaS architecture, supports all mainstream browsers, and allows multi-users to collaborate on management operations, which greatly improves work efficiency. All data are saved in the cloud to avoid customer data loss and other problems.

Integration of data transcription and revenue collection

Data collection and marketing charges are integrated, eliminating the need to use two systems. Support step electricity and water billing, and support various marketing strategies such as discounts and reductions.

The screenshot displays the Meter Cloud Platform System interface. The top navigation bar includes options for Language, Lock screen, Full screen, and a user profile. The left sidebar shows a menu with items like Home page, Archives, Devices (selected), Account, Network Connection, Debugging, Business, Meter reading, Report, Basic, and System. The main content area shows a list of smart water meters under the 'Community' tab. The list includes columns for Device Number, IMEI, Device Model, Installation Type, Installation Time, Installation Address, Start Reading, Binding State, Last Reporting Time, Valve Status, Latest Reading, and Operation. Two meters are listed, both with a binding state of 'Issued' and a valve status of 'Open valve'.

Community	Device Number	IMEI	Device Model	Installation Type	Installation Time	Installation Address	Start Reading	Binding State	Last Reporting Time	Valve Status	Latest Reading	Operation
鼓楼区西段	20240904552420	004a77012408e043	Lorawan-DN20-YN24-m³-battery2.7		2024-09-26	-	0	Issued	2024-09-26 14:25:05	Open valve	0.451m³	Edit
鼓楼区西段	20240904552421	004a77012408c9bd	Lorawan-DN20-YN24-m³-battery2.7		2024-09-26	-	0	Issued	2024-09-26 14:30:05	Open valve	1.512m³	Edit



Fluid Technology

PRODUCTION PROCESS

Production Line



Smart water meter assembly



Mainboard installation



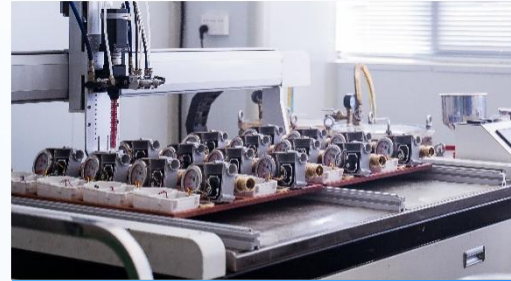
Put together different parts



Processing and assembling



Smart water meter parts



Waterproof



Laser print machine



Calibration test bench







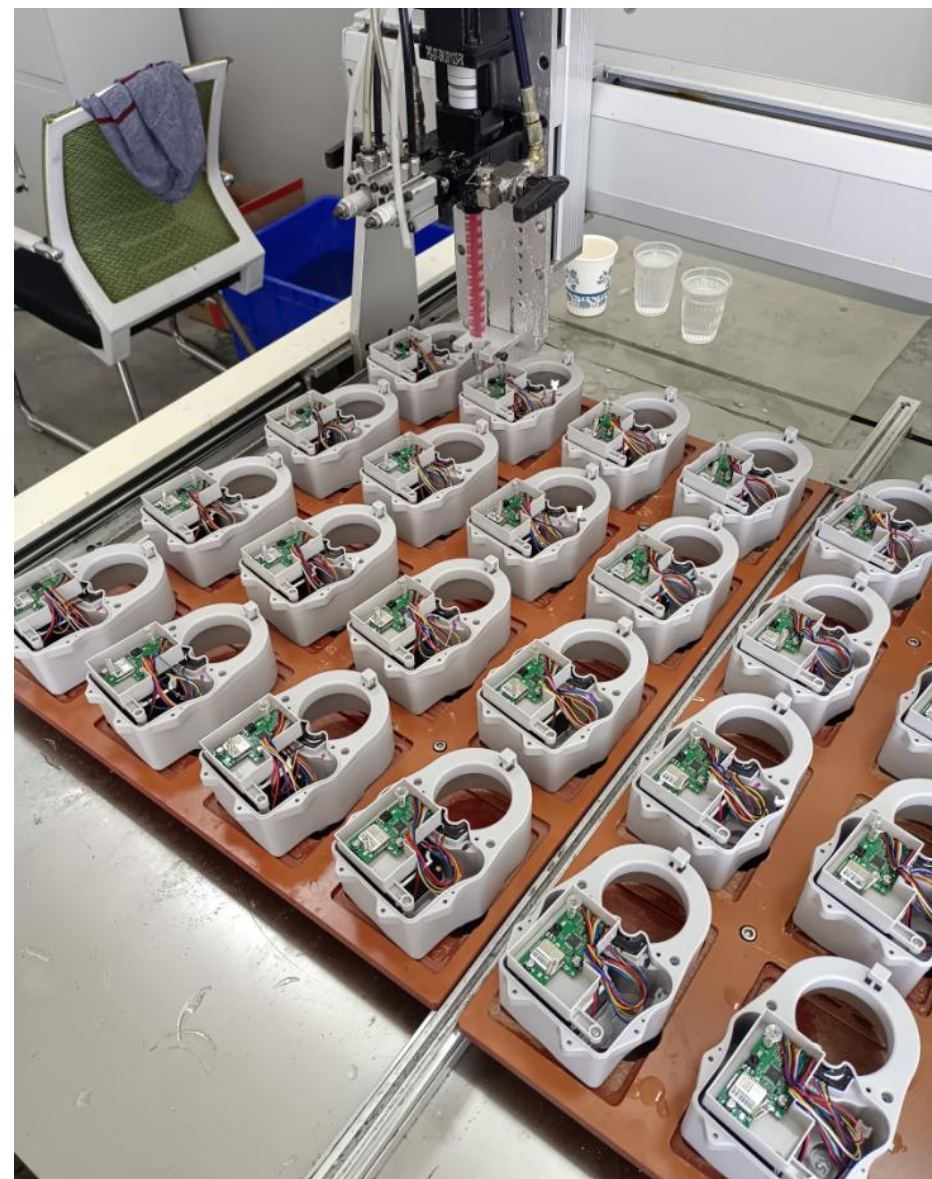
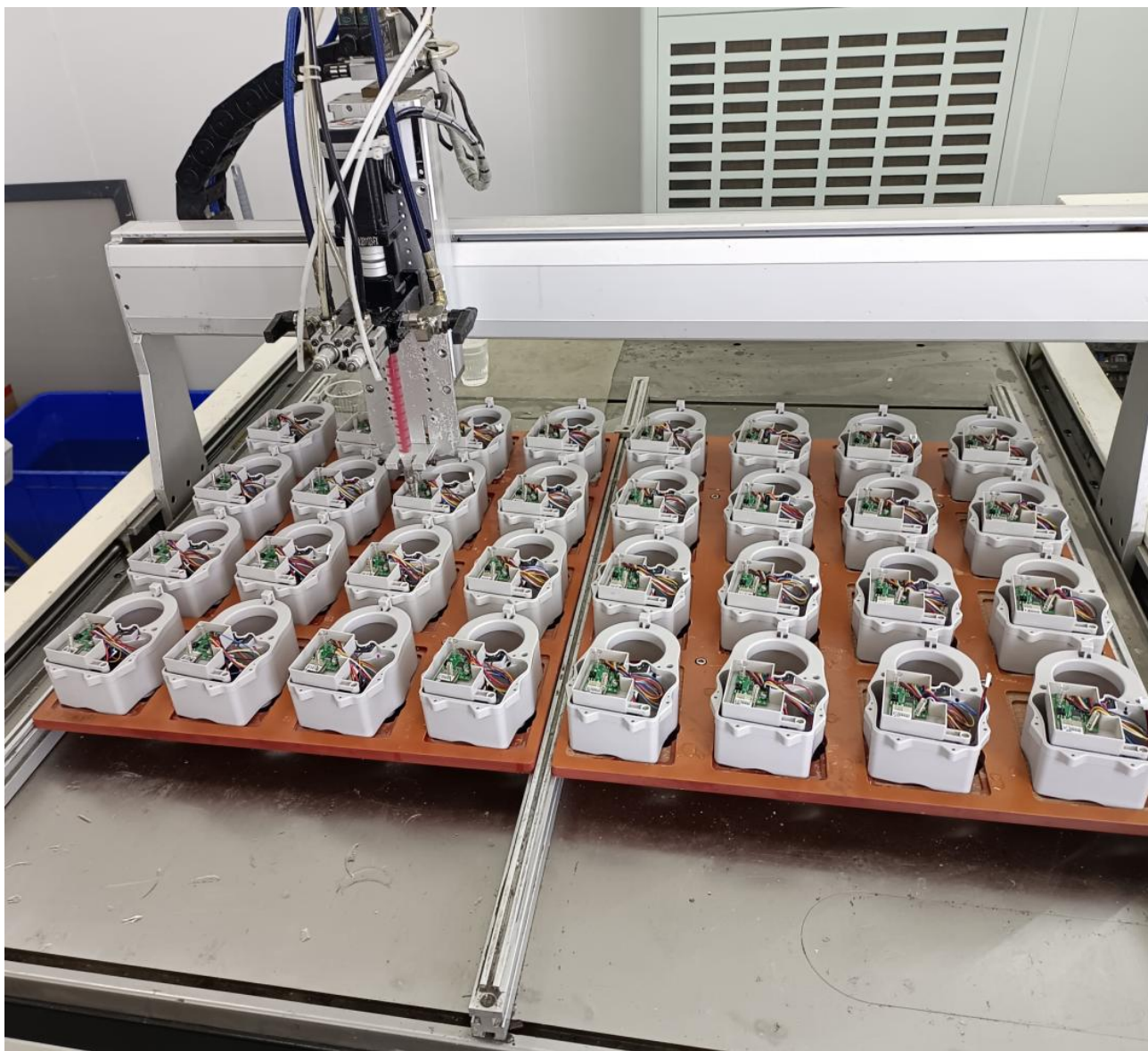


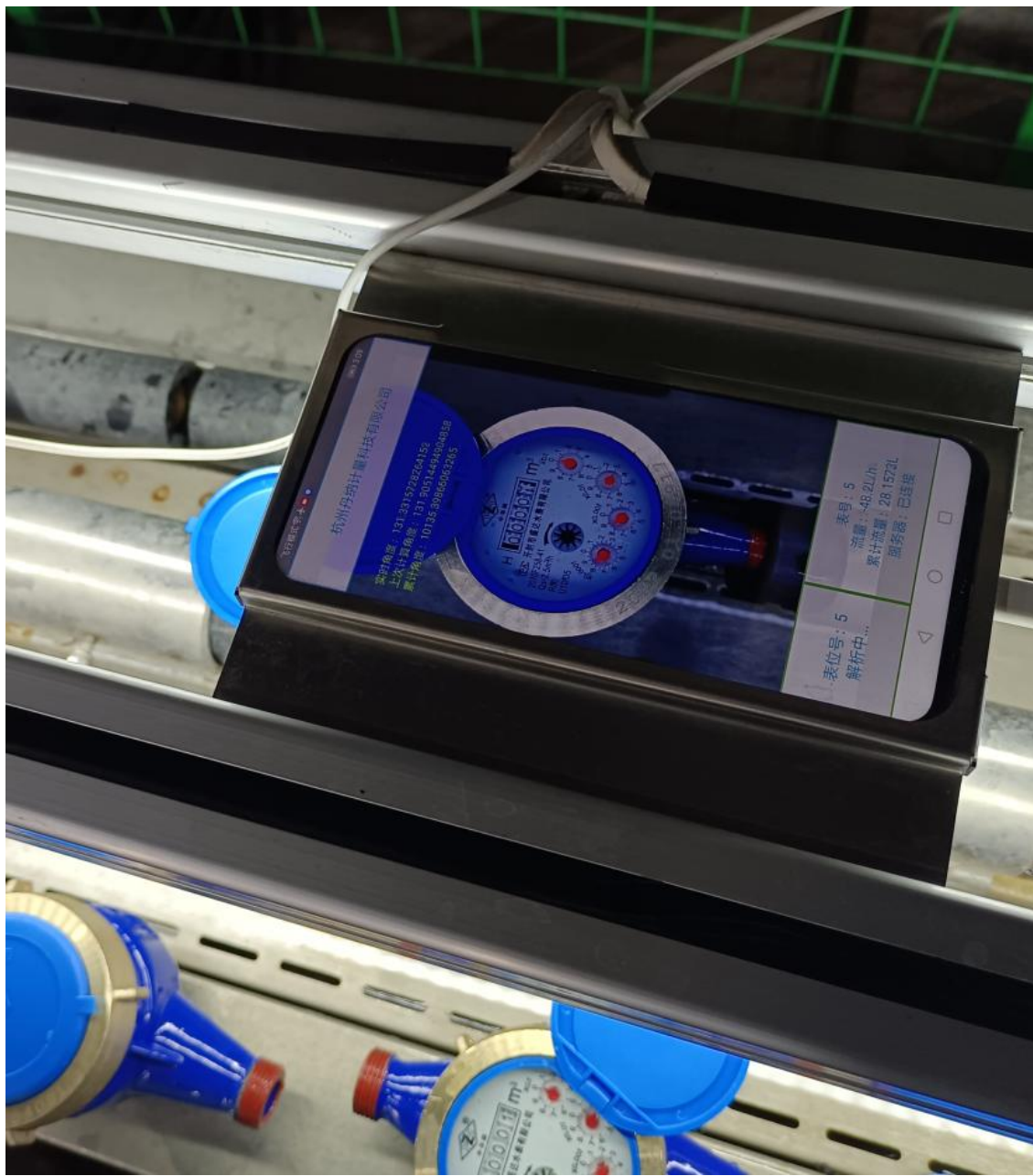












Water Meter Installation Site



Water Meter Installation Site



Contact Us



Kaifeng Shengda Water Meter Co., Ltd



Tel.: 0371-23366506



Website: <https://www.sdflowmeter.com/>



Mobile: +86 18603780816



Add.: Kaifeng City, Henna Province, China



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Thanks