

An Industry-Leading Smart Water Meter Solution Provider

— Bove Smart Metering Success Stories

Bove Smart Metering Services 500+ clients Worldwide



Canada



Belgium



India



Mexico

1,282,000+ smart
meters running
online in over
70+ countries

"Bove made significant strides on smart wireless ultrasonic water meter since 2019 in delivering on its complete smart solutions and continues to be an active contributor to municipalities and city water supply, including water flow meter, gateway, and systems."



APAC



Philippines:
-MWC
-Maynilad



Tailand:
-MWA
-DAT Utility



India:

-GVMC

-HMWSSB

-KWA

-NCC

-PWD



Maldives:
- MWSC



Malaysia:
-LAKU
Management
Sdn.Bhd
-Perak
Water Board



Brunei:
-National Water
Authority

EMEA



Oman:
-DIAM
-Jebel Sifah



Kenya:
-Africa IoT
-Lloyd Masika



Brazil:
-CAESB
-EMBASA
-Dae Americana
-CAGEPA
-Danah AI
Jubail Suites



Colombia:
-EPM
-Veolia



Mexico:
-Guadalajara
-Mexico City



Belgium:
-Brussels



Spain:
-Almeria



Turkey:
-QLAB



KSA:
-Danah AI
Jubail Suites



Argentina:
-EPAS
-Coagua

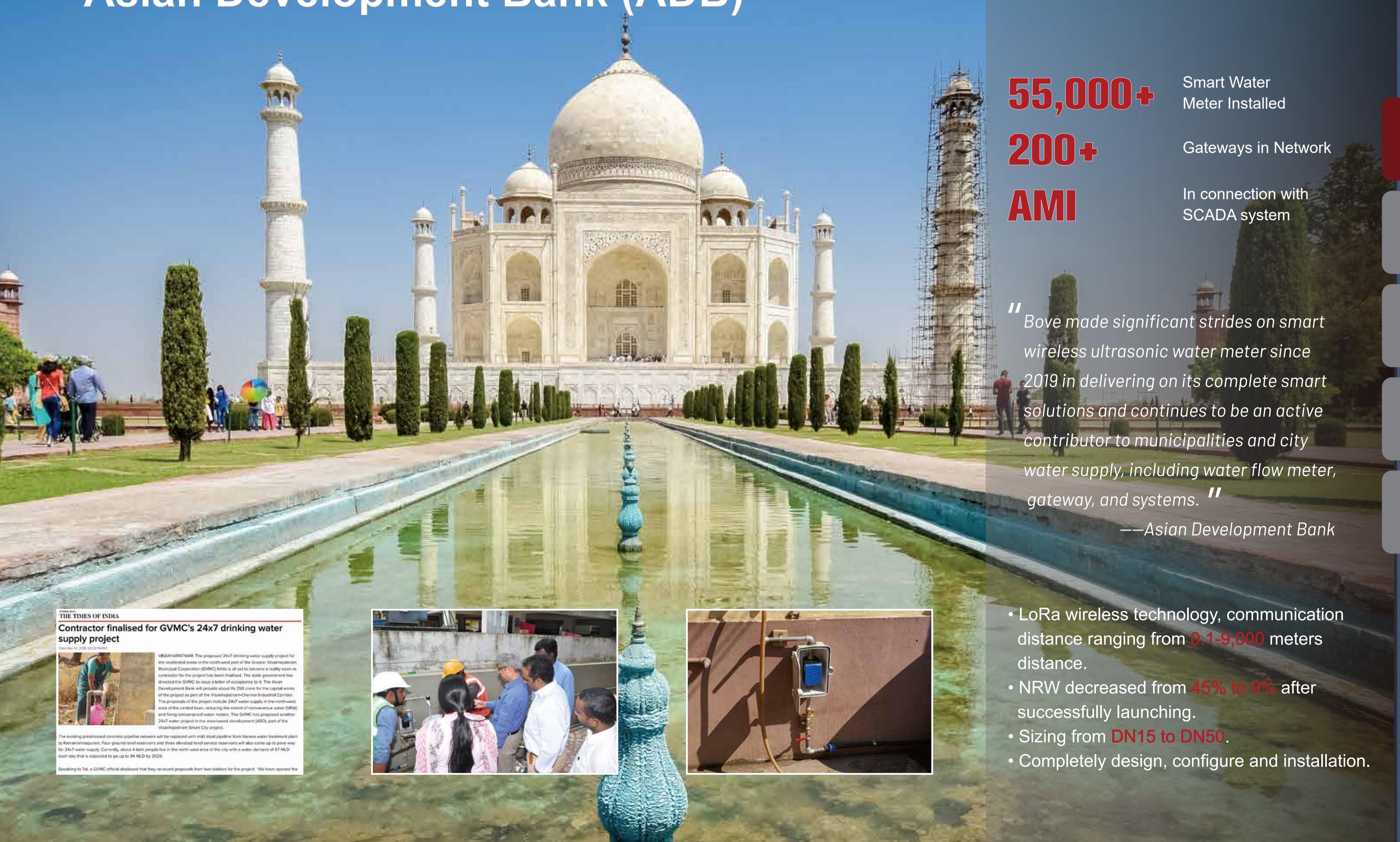


Canada:
-Tridel
-Edmonton
-Quebec City



Costa Rica:
-Municipality Aserri

GVMC: Indian First 24x7 Water Supply Scheme Funded by Asian Development Bank (ADB)



55,000+
200+
AMI

Smart Water
Meter Installed

Gateways in Network

In connection with
SCADA system

"Bove made significant strides on smart wireless ultrasonic water meter since 2019 in delivering on its complete smart solutions and continues to be an active contributor to municipalities and city water supply, including water flow meter, gateway, and systems."

—Asian Development Bank

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- LoRa wireless technology, communication distance ranging from **0.1-9,000** meters distance.
- NRW decreased from **45% to 9%** after successfully launching.
- Sizing from **DN15 to DN50**.
- Completely design, configure and installation.

Brazil: Smart Bulk Ultrasonic Water Meter for Multiple Water Utilities



5,200+

1,860,000+

R500

18%

10+

Smart Water
Meter Installed

Households Serves

Dynamic Range
Measuring

Water Savings

Water Utilities
Choosing Bove

Water Utility

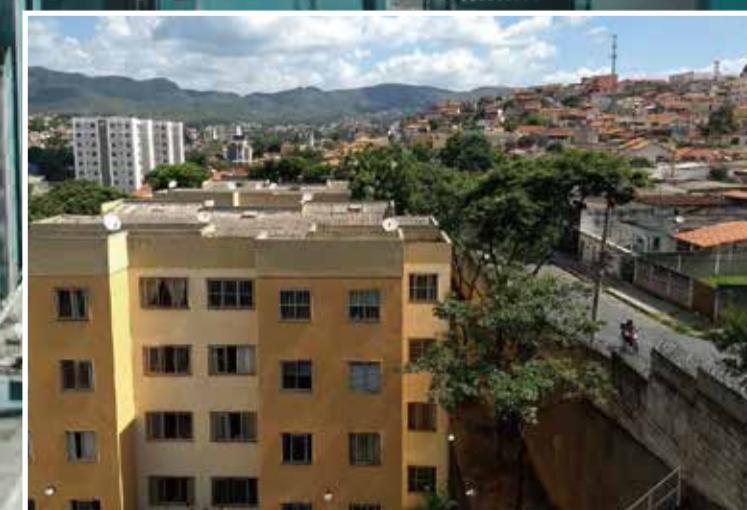
Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- Either of Pulse, RS485, 4-20mA communication interfaces are ready to supply.
- Average saving water for Utility over 18% for our utility clients.
- Sizing from DN40-DN600.
- Measuring wider range of flow rates.



Mexico: Wireless Ultrasonic Water Meter Installed in Water Utility & Resorts



5000+
2+
15+

Ultrasonic Water
Meter Installed
Water Utilities
Choosing Bove
States with distribution
of Bove Meters

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- First **Sigfox/Narrow Band** solution provider in the country for water meters.
- Sizing from **DN15-350**.
- Excellent operating performance with different IoT solutions and Pulse, RS485, 4-20mA

Malaysia: Sigfox Ultrasonic Water Meter Applied in Various Water Authorities



1,200+
R500
85%+
10+

Smart Water
Meter Installed
Dynamic Range
Measuring
Labor Cost Savings
Water Utilities
Choosing Bove

- Latest LPWAN technology Sigfox network enable the meter reading more smart.
- Over 10 water authorities choosing Bove smart water meter for residential measurement.
- Covering both west and east Malaysia.
- Water Proof, Salty Proof, UV proof water meter installed in various scenarios.

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

Colombia: Various Types of Ultrasonic Water Meter Installed in Water Utilities



2500+
34%+
8+
R800

Ultrasonic Water
Meter Installed

Water Savings with
Valve Control meter

Water Utilities
Choosing Bove

Dynamic Range
Measuring

- First remote valve control ultrasonic water meter project in the country.
- Private and state-owned water utilities.
- Composite water meter with R800, U0/D0.
- Excellent demonstration of remote valve control water meter application.

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

Costa Rica: LoRaWAN Ultrasonic Water Meter Installed in Various Water Utilities

2000+
8+
R400
18%+

Ultrasonic Water
Meter Installed

Water Utilities
Choosing Bove
Dynamic Range
Measuring

Water Savings

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- First remote valve control ultrasonic water meter project in the country.
- All products certified under Sutel Costa Rica.
- Remarkable LoRaWAN application with Walk/Drive by Handheld Unit.
- API data push and integration with water utility's software.



Argentina: Sigfox/LoRaWAN Ultrasonic Water Meter Installed in Various Water Utilities



1000+
22%+
AMI
5+

- First ultrasonic intelligent water meter project for the water utilities.
- First water meter project with Sigfox communication in the country.
- Replacing the old mechanical meters offering an innovation in the metering industry.
- Typical example for national demonstration on smart water meter management

Ultrasonic Water
Meter Installed

Water Savings

Data integration and
stable remote reading

Water Utilities
Choosing Bove

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

Ukraine: MBus Ultrasonic Heat Meter Installed in Kiev and Odesa



21,000+

4-8 years

0.05% Less

39+

Ultrasonic Heat
Meter Installed

Heating Season
Running

Faulty Ratio

Real Estate Companies
Choosing Bove

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- MBus EN1434 European communication standards.
- Both vertical and horizontal installation
- Contribute precise thermal energy measurement and charge fees for utilities.
- State of the art design of meter, more reliable, anti-tamper.



MWSC: Maldives First Ultrasonic Water Meter Project with Cutting-edge Measurement solution

6500+
1500+
R400
50%

Smart Water Meters with
Remote Valve Control

LoRaWAN Intelligent
Water Meters

Dynamic Range

User Coverage in
Capital Malé

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

"Bove's time-proven total solution helps Maldives enter a new water measurement era, the 3-states valve control water meter with LoRaWAN communication provides a unique way for water supply and billing management. Under islands environment with high salt spray corrosion the products demonstrate good reliability and satisfactory measurement performance."

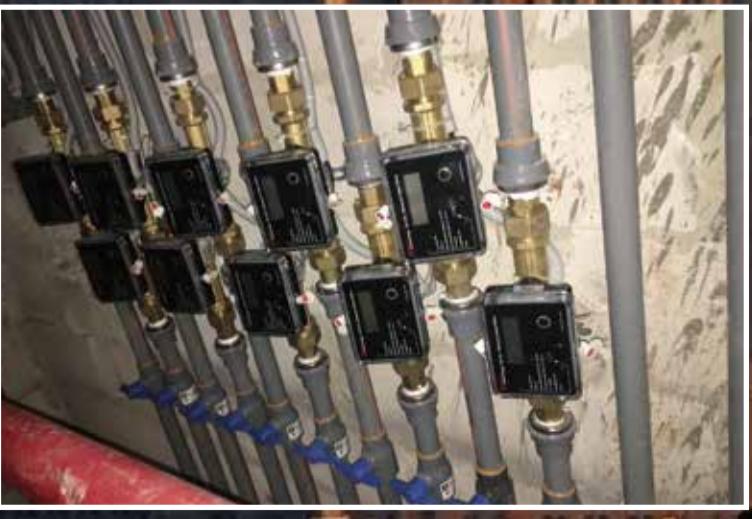
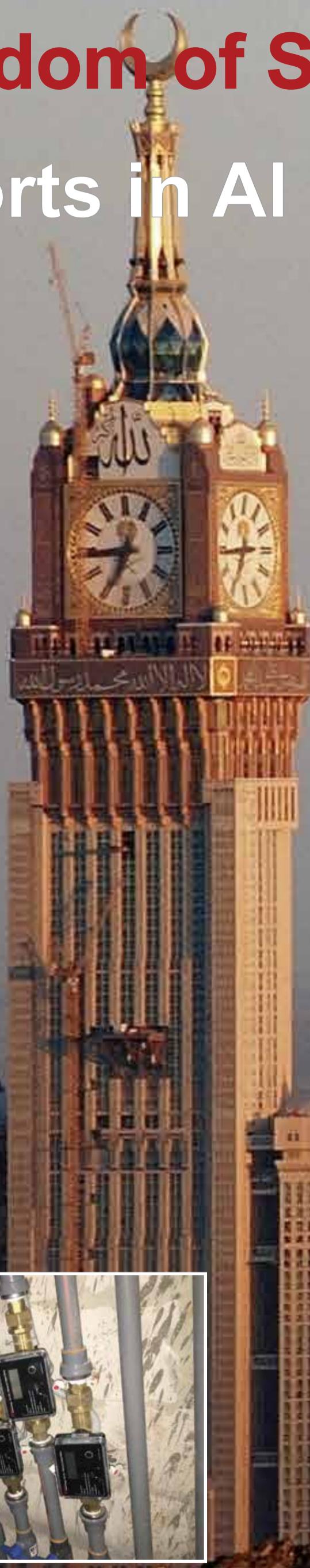
--MWSC, Maldives

- 3 states flexible valve control, dynamic range up to R400
- LoRaWAN Communication with Walk/Drive by Handheld Unit
- AMI intelligent management platform ready for data & remote control service



Kingdom of Saudi Arabia: M-Bus Ultrasonic Water Meter for

Resorts in Al Jubail



1,100+
5+ Years
Zero
50%+
30%+

Ultrasonic Water
Meter Installed
Stable Running
Faulty Ratio
More Water Counted
Increasing Water
Revenue Collected

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- MBus EN1434 European communication standards.
- Horizontal installation all together in piping shaft.
- Cost saving on labor reading expenditure.
- Sizing from DN15-DN25, wide range flow rate counting.

Oman: LoRaWAN Ultrasonic Water Meter Installed in Water

Utility & Resorts

2000+
2+
35%+

Ultrasonic Water
Meter Installed

Water Utilities
Choosing Bove

Water Savings

Water Utility

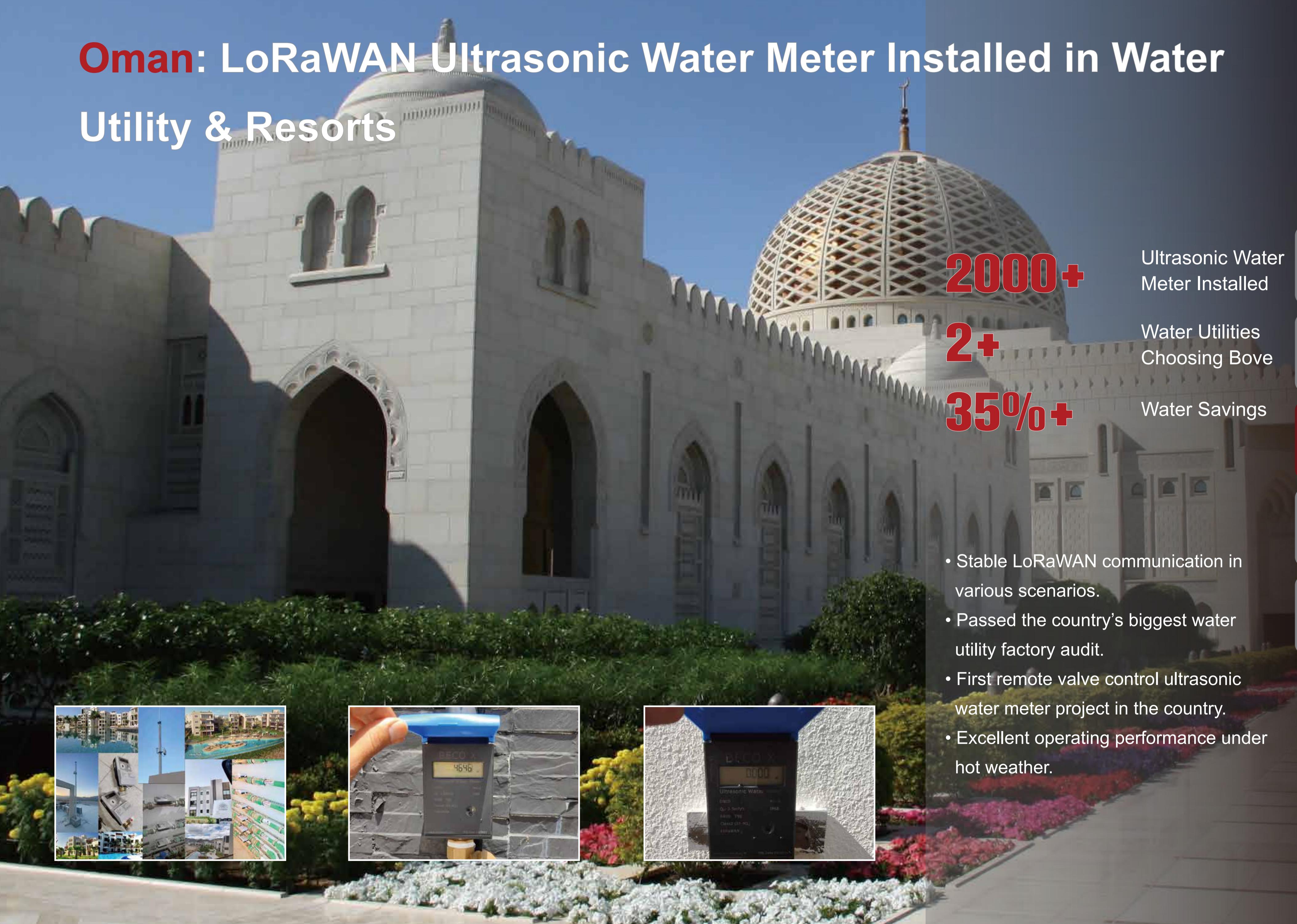
Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- Stable LoRaWAN communication in various scenarios.
- Passed the country's biggest water utility factory audit.
- First remote valve control ultrasonic water meter project in the country.
- Excellent operating performance under hot weather.



Canada: Leading Tower Constructions Choose BOVE Smart Water & Heat Meter



16,000+

NSF

RF Technology

AMI

DN15-DN40

Ultrasonic Water & Heat Meter Installed

Certified Flow Sensors

Reduced Huge Labor Cost

System Timely Reading and Remotely Control

For Residential and Commercial Application

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- Latest LPWAN technology LoRaWAN network enable the meter reading more smart.
- 360 degree installation direction.
- Water Proof, Salty Proof, UV proof water meter installed in various scenarios.
- Communication distance ranging from 800-9,000 meters distance.



Kuwait: Flange Connected Bulk Meter Provide Precise Counting for The Industry

600+

**Multiple
Communications**

11%

DN15-DN80

Bulk Ultrasonic
Water Meters Installed

Flexible For
Client Request

NRW Reduced
from 46% to 11%

For Residential
Commercial And
Industrials

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- LoRaWAN, Pulse, RS485 modbus interfaces provide multiple options to clients.
- R400 high dynamic range counting much less f low rate, avoid leakage and stolen of water.
- Water Proof, Salty Proof, UV proof water meter installed in various scenarios.
- Both integrated and split design provide more flexible installation for the site.



Singapore: Smart Building Project with Precise Measurement



800+

4+ Years

Zero

30%+

26%+

- RS485 Modbus communication interface.
- Horizontal and vertical installation for different scenarios.
- Cost saving on labor reading expenditure.
- Sizing from DN15-DN20, wide range flow rate counting.

Ultrasonic Water
Meter Installed

Stable Running

Faulty Ratio

More Water Counted

Increasing Water
Revenue Collected

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

Belgium: Bove Contribute to Smart Building in Brussels

800+

Zero

LoRaWAN

26%+

Ultrasonic Water
Meter Installed

Faulty Ratio

Strengthen the Successful
Ratio of Meter Reading

Increasing Water
Revenue Counted

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

- LoRaWAN EU868MHz wireless communication interface.
- Horizontal and vertical installation for different scenarios.
- T70 temperature class ensure the precise of hot water measurement.
- Sizing from DN15-DN150, wide range flow rate counting.



Turkey: First Ministry of S&T Accredited Heat Meter Calibration Lab

In Turkey



200,000+
DN15-DN65
30+
Full Automatic
Multiple Principle

Calibration Capacity
in a Year

Size Ranging for
various demands

European Branded
Heat Meter Calibrated

Operational in Line

With Flying Start-Stop
and Standard
Start-Stop Method

- State-of-the-art flow system design with top-quality configurational materials.
- Designing, Configuration, Commencing, Training. One stop delivery of project.
- 20+ years lifespan of the whole testing bench hardware & software.
- Stable flow rate & temperature during calibration.

Water Utility

Real Estate

Resorts & Hotels

Industry Client

Calibration Center

THANK YOU

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