CAPITAL
A Step Ahead

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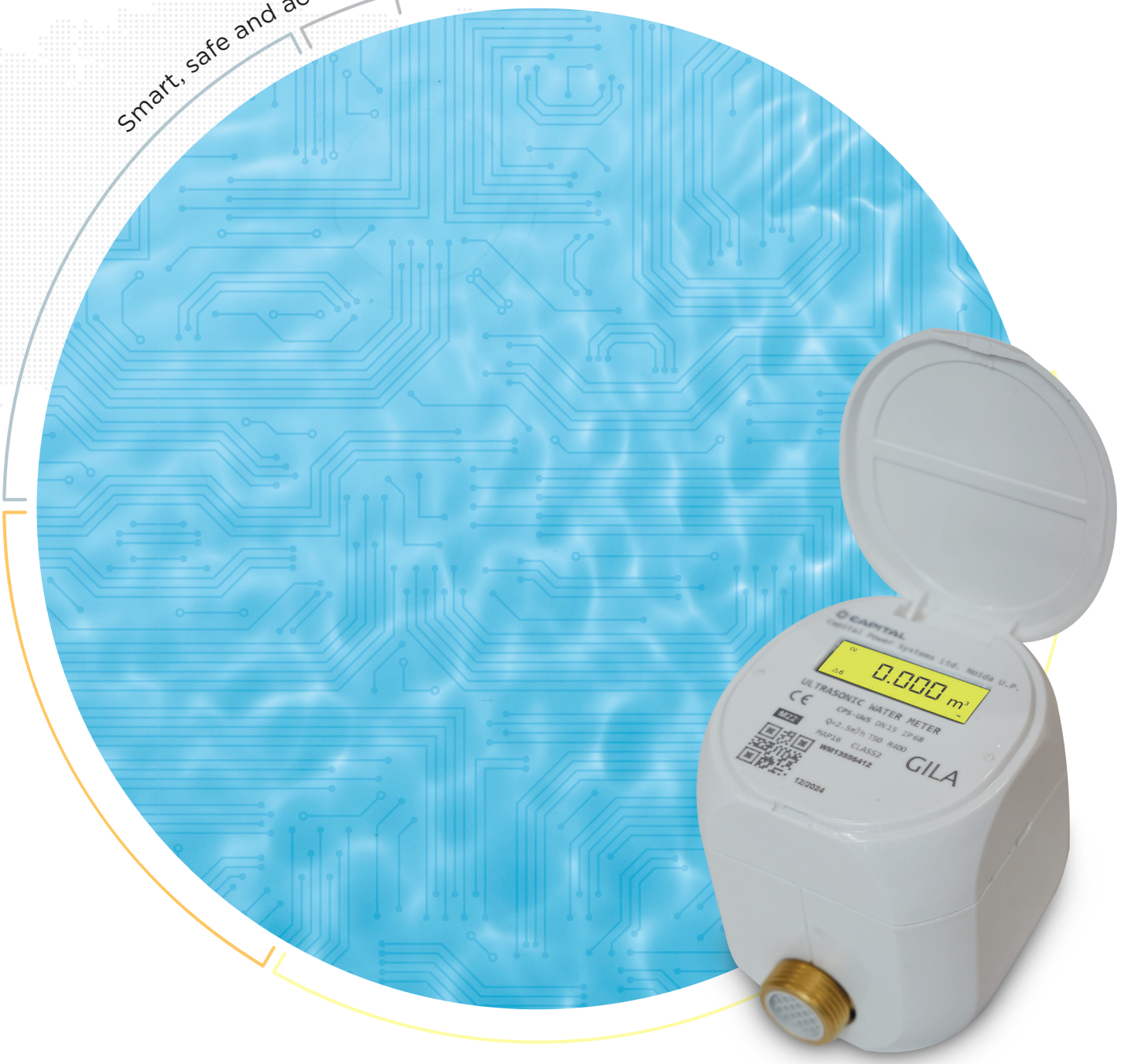
Smart, safe and accurate.



MADE IN INDIA,
FOR THE WORLD

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AS LEADERS IN MANUFACTURING INDUSTRY,

Capital has set the bar with its unwavering commitment to quality and exceptional client service. Through our extensive inventory of diverse and customizable products, our talented team goes above and beyond to make sure your needs are met, and expectations exceeded.

ABOUT CAPITAL

Capital Power Systems Limited, part of the Capital Group, has been a trusted name in energy metering since 1988 and now includes smart metering solutions for energy, gas, and water. Over the years, we've evolved into Capital 2.0, combining automation, backward compatibility, and the latest technological practices to provide innovative solutions for utilities and consumer empowerment.

We specialize in manufacturing SMART metering products and offering services such as meter OEM and support Automated Metering Infrastructure (AMI). Our focus on research and development helps us improve product quality, technology, and customer satisfaction.

We are proud to hold certifications such as BIS, ISO9001, ISO14001, ISO27001, ISO45001, S-Mark, NABL, CMMI Level 3, and DSIR-recognized R&D. Our communication modules for smart energy meters are MTCTE certified by TEC (Department of Telecommunications - DOT) for both cellular and RF technologies.

With a strong belief in the "MAKE IN INDIA" initiative, we invest in research, team training, and the latest equipment to create the best solutions. Our modern molding plant, in-house R&D, state-of-the-art machines, high-speed automated production lines, in-house tool room, and 360-degree reliability exercises ensure efficient and reliable products.

At Capital, we are dedicated to providing excellent customer service and continuing to innovate and grow with our clients' needs.

FACT SHEET

MODERN PLANTS
We have well established ultramodern plant for manufacturing smart energy and smart Gas meters.

AUTHENTIC DATA
Focus on providing reliable data through smart meters, ensuring it can be validated with accuracy through VEE.

TYPE TESTING
Products are type-tested at recognized centers like CPRI and ERDA, ensuring high-quality standards.

INDUSTRY LEADERSHIP
Play a leading role at IEEMA, in supporting industry growth and advancements.

IN-HOUSE LABORATORY
NABL Accredited Laboratory guarantees double assurance of product quality.

MID & FCRI
All our offered smart water meter are certified from MID & tested for Endurance Test at FCRI

SAFETY STANDARDS
S-Mark for safety from STQC, Government of India, demonstrating our commitment to safe products.

CMMI LEVEL 3 CERTIFICATION
Product development process is certified at CMMI-Level 3, ensuring milestones are met with precision and efficiency.

ISO CERTIFICATIONS
ISO certified in Quality, Environment, Data Security, and Occupational Health, underscoring our dedication to continuous improvement.

ULTRASONIC WATER METER

Capital ultrasonic water meters are cutting edge devices for precise water consumption measurement. Utilizing ultrasonic technology, these meters offer exceptional accuracy and reliability in recording water usage .They are highly resistant to wear and tear, ensuring long term performance and minimal maintenance. With no moving parts, they reduce the risk of mechanical failures and extend their operational life.

These meters provide real-time data with various technology options on communication side and can detect tampers help in cost savings.

FEATURES & BENEFITS

EXCEPTIONAL DURABILITY
Engineered for longevity, this meter is built to withstand harsh environmental conditions and offer reliable performance for over 10+ years.

ULTRASONIC PRECISION
Utilizes ultrasonic technology for highly accurate and consistent water consumption measurements, reducing billing discrepancies.

ANTI – TAMPER MECHANISMS
Incorporates advanced anti- tamper technologies to detect and prevent any unauthorized access, physical tampering, or meter manipulation.

BATTERY LIFE
Features an extended battery life of 10+ years, ensuring continuous operation for an extended period without the need for frequent battery replacements.

CERTIFICATION
MID - EUROPE, FCRI - Endurance Tests

END TO END AMI SOLUTIONS

REAL TIME DATA COLLECTION
Capital Smart Ultrasonic water meter: A robust, long lasting solution offering precise water measurement. Paired with an end – to – end Advanced Metering Infrastructure (AMI) system through various communication technologies like LoRaWAN or NB- IoT networks.

MULTIPLE OUTPUTS
Provides multiple data output option of optical port/ BLE in addition to Lora or NB-IOT.

DATA ENCRYPTION
Implements robust data encryption to protect sensitive consumption data during transmission and storage , ensuring data privacy.

COMPREHENSIVE DATA ANALYSIS
Supports advanced data analytics tools to gain insights into water consumption patterns, enabling efficient resource management and informed decision- making.

PREPAID/POSTPAID MODE
Meters can be configured into Prepaid or Post Mode.

BILLING AND 3RD PARTY INTEGRATION
Reliable and scalable Head and system, Billing system and Integration with any 3rd partywith any 3rd Party system including Payment Gateways, Billings engines Can be done.

COMMUNICATIONS TECHNOLOGY

Smart Water meter is able to communicate with remote communication devices on various technologies as mentioned below :

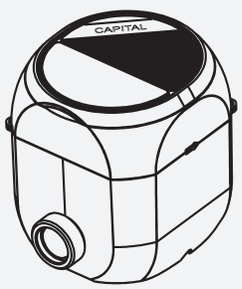
LoRa(AMI)

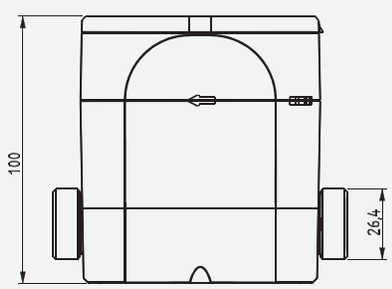
NBIoT(AMI)

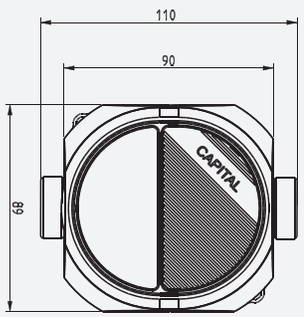
BLE

*Note:- Sizes above DN-20 also available as per customer request

Size : DN15 & DN20 *



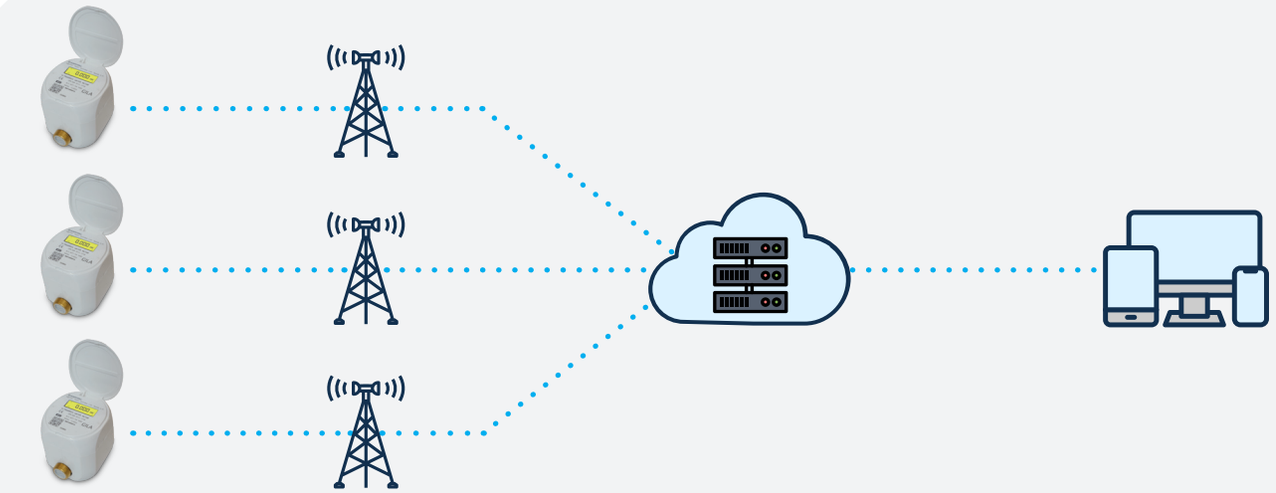




SMART METERS

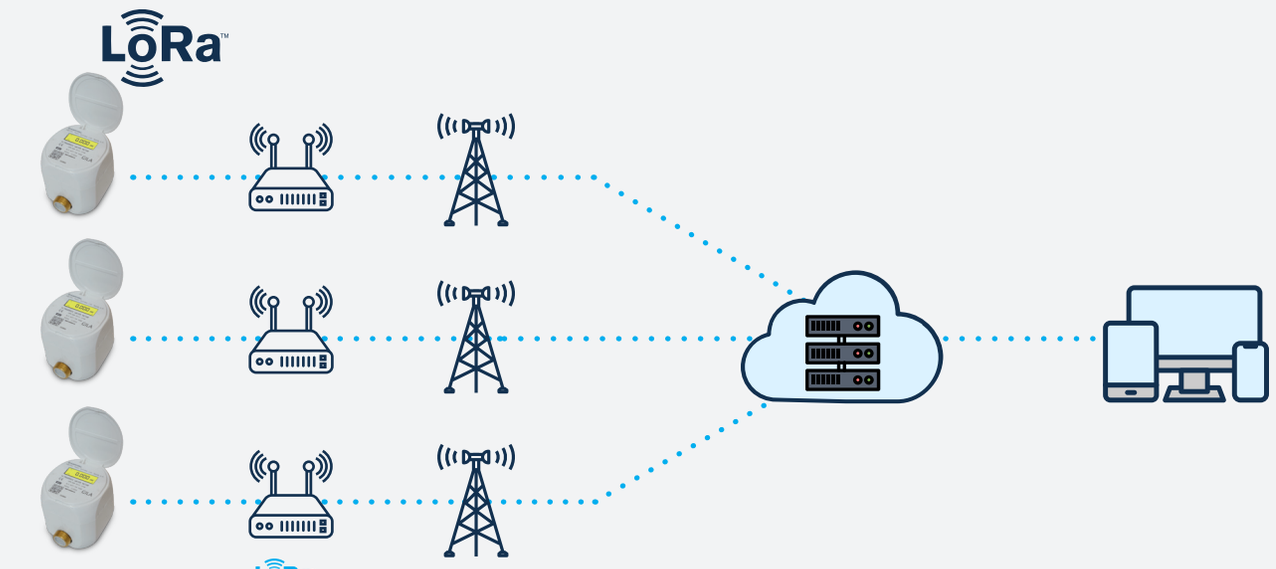
ARCHITECTURE

NB-IOT



Endusers | Base station | IoT Cloud | Application Server

LoRa™



Endusers | Gateway | Base station | IoT Cloud | Application Server