

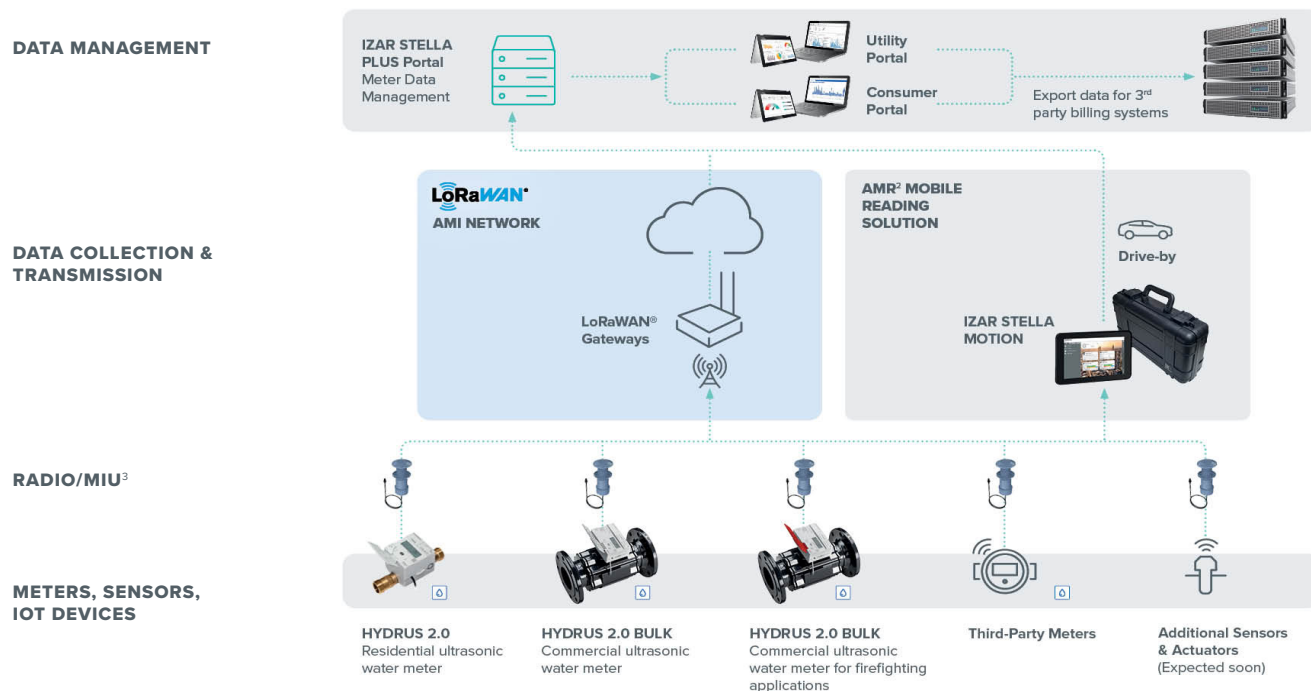
## IZAR STELLA

Connecting water utilities and consumers for a sustainable future

IZAR STELLA is an innovative AMI smart metering solution designed to transform how water utilities manage meter data collection, transmission, and analysis — accurately and efficiently.

Faced with aging infrastructure and the challenges of maintaining water distribution networks, water utilities need reliable solutions to reduce operational complexity and costs. IZAR STELLA addresses these pain points with a robust AMI<sup>1</sup> smart metering solution powered by LoRaWAN<sup>®</sup> technology. With IZAR STELLA, utilities optimize metering system performance, streamline operations, and deliver excellent customer service. By integrating the optional Water Loss Management (WLM) solution, utilities gain actionable insights to detect leaks and reduce non-revenue water.

## IZAR STELLA SOLUTION OVERVIEW



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1 AMI – Advanced Metering Infrastructure

2 AMR – Automated Meter Reading

3 MIU – Meter Interface Unit

## SYSTEM COMPONENTS AND KEY FEATURES



### HYDRUS 2.0 Ultrasonic Meters

Designed for both residential and commercial use, our meters deliver exceptional measurement accuracy and durability.

- Available in all standard sizes
- Resistance to particles and extreme environments (IP68)
- Integrated leak detection
- Programmable display interface
- Up to 20 years of battery life
- Long-term measuring stability and accuracy
- Stores 43 days of hourly data



### IZAR STELLA Radio

Our radio/MIU ensures uninterrupted, long-range communication in smart metering setups.

- Supports both AMI and AMR applications
- Compatible with third-party end devices
- Robust mushroom-style housing optimized for pit installations
- Stores up to 90 days of hourly data for highly granular metering data



### IZAR STELLA PLUS Portal

A comprehensive cloud-based platform offering real-time meter data management. Two modules are included for this solution:

- **Utility Portal:** Empowers utilities to simplify workforce management, monitor critical alarms, and enable remote meter readings
- **Consumer Portal:** Provides end-customers with easy access to account details and real-time consumption data

## PRIMARY IZAR STELLA SOLUTION BENEFITS

### Ready to Connect, Easy to Scale

Effortlessly integrates with billing systems and LoRaWAN® networks, ensuring fast deployment and scalability for large IoT applications like smart cities.

### Never Miss a Reading

The IZAR STELLA solution includes the IZAR STELLA MOTION as a backup mobile reading option, ensuring full access to meter data even in harsh environmental conditions.

### From Meter to Billing – Automatically

IZAR STELLA enables reliable, automated meter reading through AMI systems, delivering hourly consumption data for informed and timely decision-making.

### Robust Engineering Design

HYDRUS 2.0 ultrasonic meters deliver up to 20 years of lifetime and IP68 protection for consistent performance in the toughest environmental conditions.

### Smarter Tools. Better Service.

IZAR STELLA offers a powerful mobile workforce management tool for utilities, along with real-time water consumption data for Consumers – enhancing efficiency and engagement for all.



**160+ YEARS**  
OF EXPERIENCE IN  
METERING TECHNOLOGY



**PROUD MEMBER**  
OF THE LoRa Alliance®

**INTERESTED?**  
LET'S TALK ABOUT  
**YOUR** CHALLENGES!

