THE ONLY WAY IS THE SMART WAY

Unpack our solutions

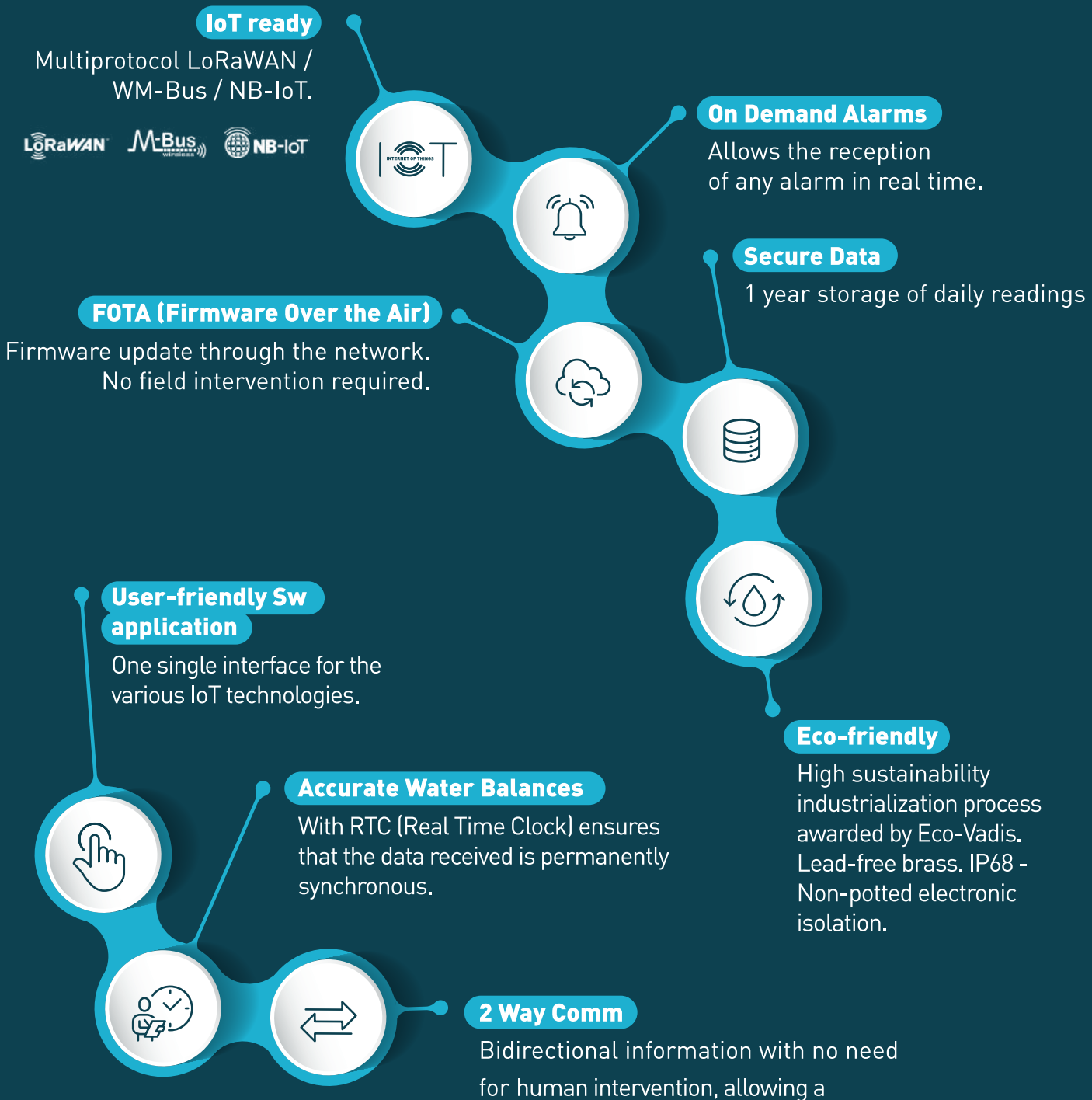
Scroll Down

JANZ
a SIT company

The **new Smart generation from JANZ** connects us to the most important resource on the planet, the one without which nothing is possible: water.

We create reliable, accurate, and eco-friendly solutions for a connected world ensuring:

1. an effective reduction of leaks and non-revenue water
2. a maximization of revenues
3. a significant increase in the service level provided



janz.pt

SMARTIO

Best in Class Ultrasonic Meter

SMARTIO, the new JANZ ultrasonic meter, anticipates the future of metrology and transforms the way utilities connect with their supply systems.

SMARTIO, is a water meter with an innovative patented technology. With an unique cavityless design, Smartio takes the ultrasonic measurement to a new level.

Metrological Excellence - Up to R1000
Allows the reduction of non-revenue water.
Accurate measurement even at extremely low starting flows.

Communication Protocols
Multi-protocol LoRaWAN /WM-Bus / OMS - Walk-By/Drive-By - Automated data collection (from 15s).
Possibility to configure protocols and alarms for an optimized communication.
NB-IoT - Adapted to the networks of any telecommunications operator.

On Demand Alarms
Configurable. Reception of alarms in real time. Leak, burst, backlflow, empty pipe, battery status, tamper, temperature, air in pipe, blocked meter.

Long-life battery*
Up to 16 years of life.

Withstands harsh conditions
High accuracy in any type of installation. Immune to flow disturbances, pressure variations, vibrations, and UV radiation.

Free pipe
Resistant to particles and deposits.

No moving parts
Low maintenance cost.

Temperature monitoring
Anticipates the probability of freezing and possible sanitary risks.

High level of accuracy
Air detected and not measured.

Certification
MID, CE, ISO 4064, OIML R-49, ACS, KTW-W270, WRAS, WELMEC 7.2, RoHs, WEE, OMS, LoRaWAN, EMC, RED, ETSI, NFC in accordance ISO/IEC 15693

ADDITIONAL FEATURES

NFC - Near Field Communication
AES-128 Bit. Communication interface for data collection and parameterization.

FOTA - Firmware Over the Air
Firmware update capability over the network. No need for field intervention.

Self-diagnostics
Metrological data, connectivity, battery level and RTC sync.

Advanced data
Flow direction detection, reverse flow, and total volume. Minimum, maximum flows. and temperature.

Available in DN15 (Q3=2,5) and DN20 (Q3=4).

JANZ
Data Sheet

eREGISTER

JV400e | JV600e

High Performance Smart Mechanical Meters

The new generation of JANZ mechanical meters features an electronic register turning it into an innovative telemetry solution, that allows utilities a simple and effective integration into **Smart City** projects. These new volumetric meters gather in the same equipment, a widely tested measurement technology and an **electronic register** working in a two-way communication with IoT networks. This solution combines the accuracy of mechanical measurement with the capacity to interact with the most modern communication networks.

AVAILABLE WITH BRASS OR COMPOSITE BODY.

Metrology excellence – Up to R800
High accuracy all along the curve. High accuracy from low flows (less than 1l/h) to maximum flow rates.

Communication protocols
Multiprotocol LoRaWAN and WM-Bus

Long battery life*
Up to 13 years (standard profile)

Datalogging
Four circular buffers with a choice of different periodicities and storage times, which guarantees data protection.
15 min - 9 days • 1 hour - 37 days • 1 day - 896 days • 1 month - 21 years

Alarmes On Demand
Reception of alarms in real time. Configurable. Leakage, underflow, overflow, backflow, blocked meter, reversed meter, battery status, meter lifetime expired, hardware error.

LCD Features
LCD display with 9 digits plus icons. UV protection.

Display information
Main display: 60 sec. • Billing Reading: 12 sec. • Test data and firmware: 12 sec.

Certification
MID, CE, ISO 4064, OIML R-49, ACS, RoHs, WEE, OMS, LoRaWAN, EMC, RED, ETSI, WRAS

Available DN15 (Q3=2,5)

Data Sheet

MYWATER

State of the Art Radio Technology

MYWATER separates the equipment from the communication infrastructure that supports it. This innovative telemetry solution enables water meters to be integrated into modern **Smart City** projects in a simple and effective way.

Tailored to the client, both in rural and urban areas, densely populated or dispersed. With an LPWA (Low Power Wide Area) network available, the implementation and progress of the projects occurs where, when, and how the customer needs, without the need for additional or dedicated networks.

Communication Protocols
Multiprotocol LoRaWAN /WM-Bus - Possibility of using one of the protocols individually or both simultaneously • WM-Bus - Walk-By/Drive-By or Fixed Network • LoRaWAN - has an intelligent data management system that allows obtaining up to 96 readings per day (15/15 min) with 8 daily transmissions (3/3 h).
NB-IoT - Adapted to the networks of any telecommunications operator.

Low power consumption. Long battery life*
Up to 15 years lifetime • Standard profile - up to 15 years (1 transmission every 12 h) • Extreme profile - up to 8 years (1 transmission every 3h).

On Demand Alarms
Reception of alarms in real time. Configurable.
Leak, backflow flow, under and over consumption, blocked meter, magnetic tamper, mechanical tamper, battery status, temperature, occasional and permanent hardware error.

Readings register memory
Data security up to one year of daily information.
365-day buffer for registering 96 daily deltas, alarms, and operating temperature.

Certifications
MID, CE, RED, OMS, LoRaWAN, EMC, ETSI, RoHS, WEE, NFC in accordance ISQ/IEC 15693

ADDITIONAL FEATURES

NFC - Near Field Communication
Communication interface for data collection and parameterization

FOTA - Firmware Over the Air
Firmware upgrade capability over the network. No need for field intervention.

Direct coupling radio sensor available for the entire JANZ range.
External radio sensor for any meter or brand.

*Depending on the communication profile and external environmental conditions.

Data Sheet

THE ONLY WAY IS THE SMART WAY

Increase service level
Improve consumer engagement

Maximize revenues
Reduce non-revenue water

Improve operational visibility & efficiency
Immediate response to incidents

- Open Ecosystem
- Prescriptive Analytics
- Data Driven Decisions

MYWATER

NB-IoT

LoRaWAN

drive-by

M-Bus wireless

NFC

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