

DIEHL
Metering



AURIGA

SINGLE-JET WATER METER

RUGGED, COMPACT, MODULAR AND
SUSTAINABLE

OUR VISION

Empower a sustainable future

Global trends have an increasing effect on our planet. Consequently, natural resources decrease. Water, for example, is a most valuable commodity. In the future, it will become even more valuable.

At Diehl Metering we believe in our duty to help building a better world. We take on responsibility. Our contribution: we design, develop and produce smart solutions to save water and to manage this resource more efficiently. We empower and innovate. For a sustainable future.



HOW WE MAKE A DIFFERENCE

CUSTOMER FOCUS. DURABLE. STATE-OF-THE-ART TECHNOLOGY.

You're at the center. And the value we bring to you. Over the long term.

We enable our customers to use water and energy intelligently. You receive a suitable solution for your specific requirement to make your business successful. Our passion for innovation supports your empowerment and creates added value. Every Diehl Metering employee sees him/herself as a "solution provider" for you, our customers.

Benefit for you, for the planet, for everyone: Long-lasting quality.

We have been a signatory member of the UN Global Compact since 2021, supporting its initiative for sustainable and responsible business practices. Our products are eco-friendly because of their durability even in the roughest environments. We use raw materials economically and efficiently - optimizing resources and minimizing waste.

State-of-the-art technology. For water management. Reduce waste.

The AURIGA series provides you with single-jet technology at its best: good metrology performance and best price/performance ratio. Highly reliable and built for the most challenging environments – ensuring efficient water management and helping preserve one of the world's most valuable resources: water.

AURIGA

Our vision for the future is to create a center of excellence and innovation to be a reference for Africa with AMR/AMI. Our mission is to ensure access to safe drinking water in sufficient quantity and quality.”

SEN'EAU



FOR EACH APPLICATION THE RIGHT SINGLE-JET METER

AURIGA RANGE



DN 15 (composite, brass)



DN 20 (brass)



DN 25 (brass)



DN 32 (brass)



DN 40 (brass)

OUR SOLUTIONS PERFORM. AN EXAMPLE ...

Accurate and durable, AURIGA water meters ensure reliable water supply & management in Senegal.

Established in 2020, SEN'EAU manages Senegal's urban water metering solutions, covering everything from supply and installation to customer billing, and serves more than 1 million subscribers. The company needed a highly accurate and durable meter capable of withstanding high temperatures and extreme environmental conditions while maintaining excellent metrological performance.

AURIGA proved to be the ideal solution, supporting SEN'EAU's vision to secure water for all subscribers and guarantee customer satisfaction through accurate billing. In addition, it ensures sustainable long-term performance backed by a reliable supplier.

CHALLENGES

- Ensuring accurate, on-time billing to reduce non-revenue water
- Maintaining high metrological performance despite harsh installation conditions

SOLUTION

- AURIGA single-jet meters equipped with IZAR radio clip-on module

BENEFITS

- High durability and accuracy over time
- Value for money with best price/quality ratio

 **1 MIO**
WATER
CONNECTIONS

MANAGED BY SEN'EAU

 **184 K**
AURIGA SINGLE-JET
WATER METER

SOLD TO SEN'EAU

 **806 K**
AURIGA

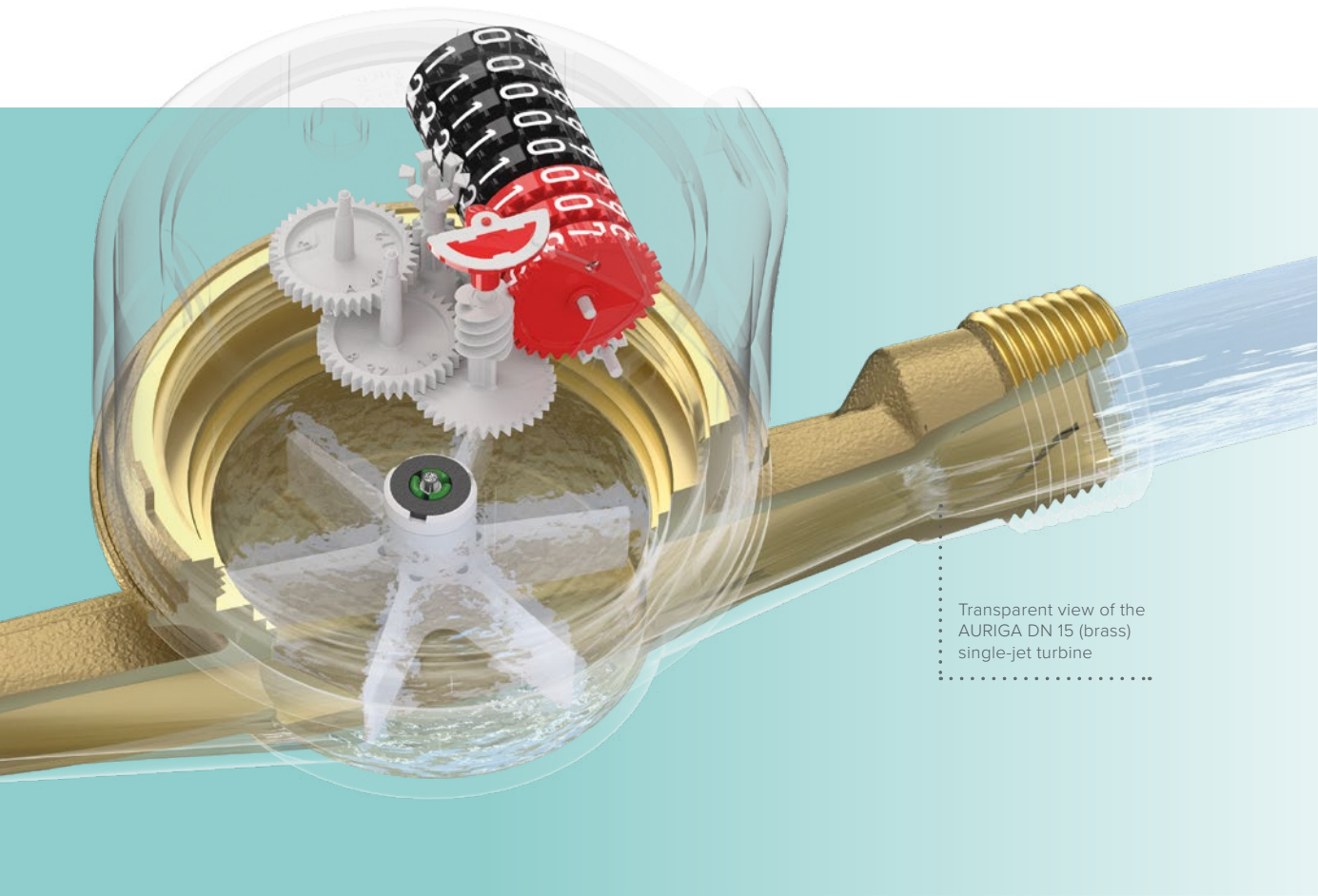
INSTALLED BASE IN AFRICA

PRECISE METROLOGY

LONG-TERM RELIABILITY GUARANTEED.

MEASURING PRINCIPLE: single-jet turbine meter

How it works: Water enters the meter through the inlet pipe and is directed onto the turbine blades, causing the turbine to rotate. As the water exits through the outlet pipe, the turbine's rotation is transferred to the volume register via a precise gearing system and magnetic coupling, ensuring accurate measurement.



Transparent view of the AURIGA DN 15 (brass) single-jet turbine

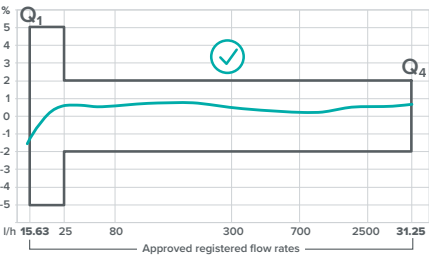


Patented 2-stage turbine for DN 32/40

The 2-stage turbine system ensures efficient water flow and accurate measurement, even at low flow rates.

EXCELLENT PERFORMANCE AND TAMPER-PROOF

MEASURING DYNAMICS AURIGA DN 15 Q₃ = 2.5 m³/h R160



- Approved up to R=200 (DN 25/32/40)
- MID, OIML and ISO approved
- Starting flow rate DN 15: 3 l/h
- 100% of the meters are adjusted and calibrated in production

Your benefits

Save money: combined with an IZAR radio module, AURIGA helps you to detect leaks quickly, thus reducing non-revenue water.

TAMPER-PROOF DESIGN



- Magnetic fraud resistance, conform to EN 14154-3, OIML R49/2013 and ISO 4064
- Resistance to fraud attempt with clamp
- Resistant to hot needle or screwdriver fraud attempt
- Snap-fit plastic sealing ring: dismantling or modifying impossible without visible damage

Your benefits

Always play it safe: your investment is secure, and the data it provides is reliable.

INTELLIGENT AND DURABLE

LONG-TERM ACCURACY



- High resistance to sediment-laden waters (sand, iron) and humidity, high ambient temperature, UV
- Low pressure loss

Your benefits

AURIGA earns its money: it ensures smooth operation. Long-term. Varying water qualities? Challenging environment? No problem.

INSTALLATION CHARACTERISTICS



- Compact body for easy handling and installation
- Suitable for demanding installation conditions (e.g. high temperatures)
- Horizontal and vertical position
- No calming sections (U0/D0)
- Indoor and outdoor installation

Your benefits

Enjoy flexibility and maximum performance in every installation situation.



REDUCED ENVIRONMENTAL IMPACT*

AURIGA COMPOSITE DN 15 (DN 15-110 & 15-115 R160)

The AURIGA composite meter considers the principles of Ecodesign: its body has been developed to minimize its carbon footprint. To make as little impact as possible on the environment.

- Less energy needed for production
- Reduced product weight
- Reduced shipping costs

*AURIGA DN 15 composite versus AURIGA DN 15 brass

CLIP-ON MODULES

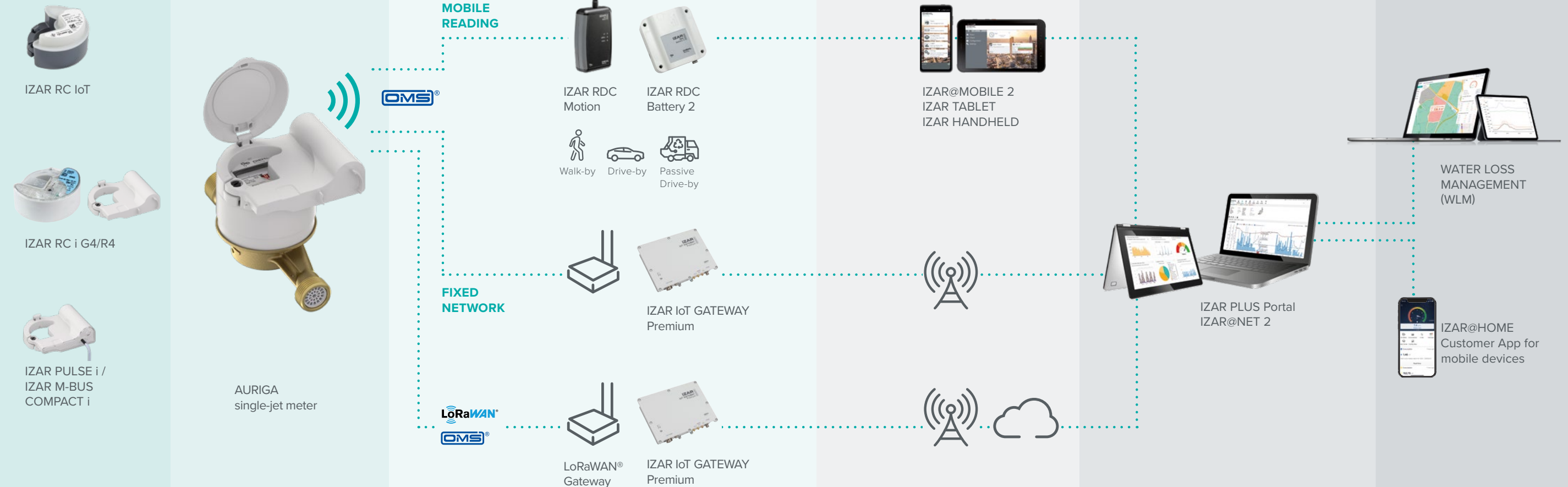
ENDPOINT

DATA COLLECTORS

DATA TRANSMISSION

METER DATA MANAGEMENT

DATA ANALYTICS



MODULAR CONNECTIVITY

VALUE CHAIN FROM HARDWARE TO SOFTWARE

NEED A COMMUNICATING METER? NO PROBLEM!

We offer a wide range of connectivity that adapts to your every need: each AURIGA can be equipped with either IZAR clip-on radio modules or IZAR wired connectivity modules, which are programmed with a set of alarms. You can order your AURIGA with an IZAR module already mounted, to raise your productivity in the field. Furthermore, our IZAR RC IoT module that integrates LoRaWAN® technology enables smart metering applications and the connection to smart city radio networks.

IZAR: A FLEXIBLE AND POWERFUL SYSTEM TAILORED TO YOUR NEEDS

Our IZAR system has been providing radio communication in different protocols for over 25 years. You'll be convinced of its coverage and performance as well as of its data granularity and speed. Moreover, it is scalable and adapts perfectly to your network. With different reading modes coexisting, you can switch from one reading per year to daily reading to further optimize your water network, without replacing your IZAR module.

SOFTWARE FOR YOUR WATER LOSS MANAGEMENT

Take control! A leak of 3 l/hour over 12 months equals 26.28 m³ of unbilled water. Diehl Metering supports you in optimizing the performance of your network and reducing unbilled water: with our new Water Loss Management (WLM) software, you track the non-revenue water levels in your distribution network. In case of a leak, you'll be informed at once and can react immediately to minimize water losses.



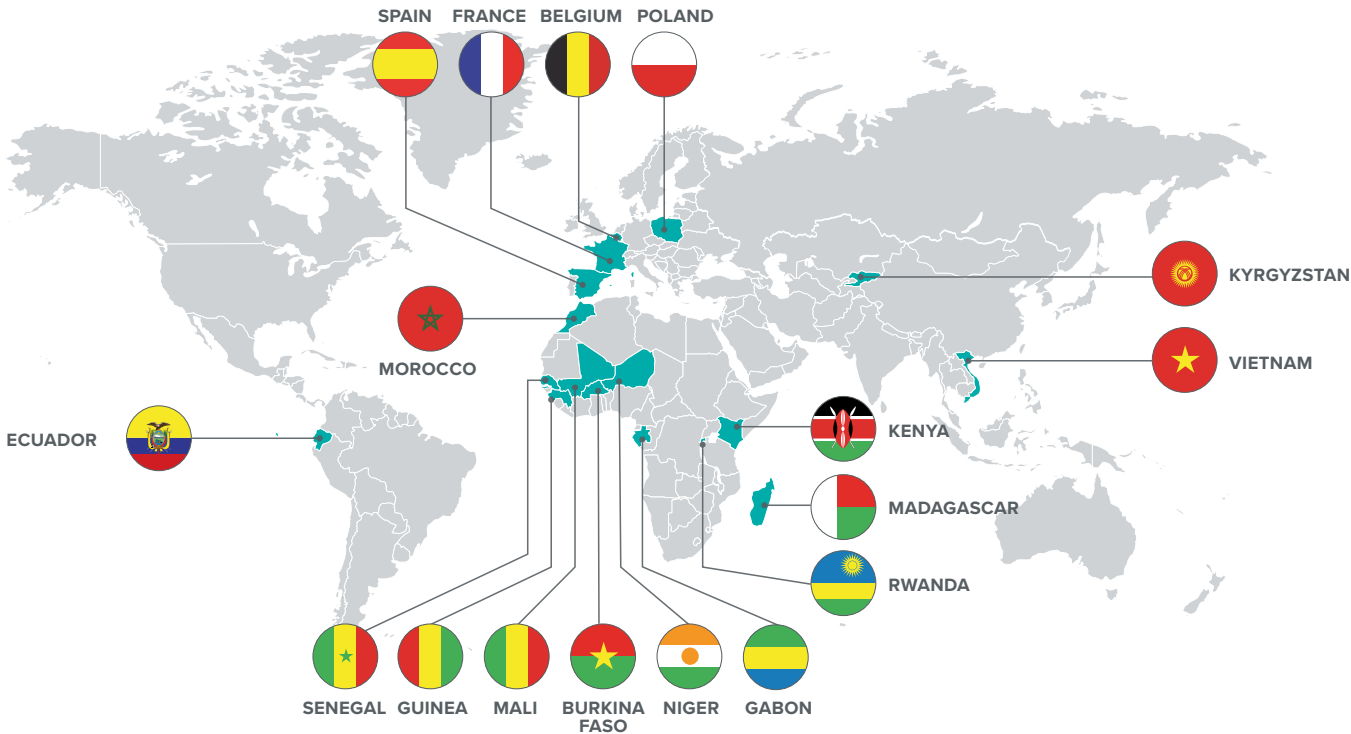
WHY PARTNER WITH DIEHL METERING?

IT JUST MAKES SENSE.

Diehl Metering is a worldwide leader in the design, manufacture and supply of smart metering solutions. We empower our customers to take control of their infra-structures. To make water and energy management more efficient, sustainable and responsible. For an always better use of the natural resources we all rely on.

All of our meters are calibrated, **MID (Measuring Instruments Directive)** approved and hold Sanitary Conformity Certificates.

 **OUR CUSTOMERS TRUST US WITH
AURIGA. ALL OVER THE WORLD.**



OVER 11.5 MILLION
SINGLE-JET WATER METERS MANU-
FACTURED AND DEPLOYED WORLDWIDE
SINCE 2008. TOP SELLER IN SENEGAL,
NIGER, VIETNAM AND ECUADOR



OVER 40 YEARS
EXPERIENCE IN
DEVELOPING SINGLE-JET
TECHNOLOGY



AWARDS
ECOVADIS GOLD
MEDAL (SOCIAL
RESPONSIBILITY)
IN 2024



62.9 MILLION
COMMUNICATIVE
METERS AND RADIO
MODULES INSTALLED
WORLDWIDE

MEMBER
OF THE UNITED NATIONS
GLOBAL COMPACT SINCE 2021


INTERESTED?
LET'S TALK ABOUT
YOUR CHALLENGES!



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**EMPOWER A
SUSTAINABLE
FUTURE**