DIEHL
Metering

Diehl Metering launches IZAR IoT Gateway Premium: A Game-Changer for Smart Metering and Smart Cities

Diehl Metering, a global leader in smart metering solutions, is proud to announce the launch of the IZAR IoT Gateway Premium, a revolutionary all-in-one outdoor gateway that sets a new standard for multi-connectivity in the IoT landscape. This device combines mioty®, LoRaWAN®, and M-Bus OMS radio technologies in a single infrastructure, offering unparalleled efficiency and flexibility for smart metering and smart city initiatives.

IoT technologies transforming utilities and cities

IoT technologies play a key role in enhancing utility networks and transforming urban landscapes. They enable utilities to optimize their operations and open up new business opportunities. In smart cities, IoT technologies, powered by various sensors, generate data to enhance citizens' quality of life and create avenues for innovative utility services.

The pivotal role of IoT connectivity

At the heart of IoT lies connectivity, transforming otherwise inert devices into actionable entities. The diverse IoT landscape has led to the coexistence of multiple connectivity standards, creating challenges for utilities managing different technology infrastructures within the same city. The choice of IoT connectivity becomes crucial, significantly influencing the success of any smart metering and smart city initiative.

Introducing IZAR IoT Gateway Premium

The IZAR IoT Gateway Premium stands out as the industry's first outdoor gateway offering comprehensive multi-connectivity. This innovative device integrates mioty®, LoRaWAN®, and M-Bus OMS radio technologies, presenting a single infrastructure solution for smart metering and smart cities.

Key features and benefits:

1. **Unified interoperable infrastructure for smart metering & smart city technologies:**

     Diehl Metering's IZAR IoT Gateway Premium streamlines infrastructure requirements by necessitating only one type of gateway. This eliminates the need to manage and maintain several gateway types, ensuring a simplified installation and maintenance process.

2. **Seamless integration into existing networks:**

    Integrating additional IoT technologies is made effortless by exchanging existing gateways with the IZAR IoT Gateway Premium. Its backward compatibility feature allows for the retention of meters, enabling a gradual and cost-effective replacement process.

3. **Exceptional radio range with extreme extended mode:**

   With an extraordinary radio range of up to 11 km, the IZAR IoT Gateway Premium is ideal for challenging installation situations. This not only ensures reliable coverage of large areas but also reduces investment and operating costs.

4. **Scalability for massive IoT deployment:**

   Designed to accommodate up to 100,000 transmitting devices, the IZAR IoT Gateway Premium offers scalability that translates into a low Total Cost of Ownership. Fewer gateways are required to handle numerous radio telegrams.

5. **Radio robustness enhanced by innovative mioty® for metering:**

   The device ensures reliable hourly data transmission through telegram splitting, mitigating interference with other networks and maintaining low packet error rates in crowded spectrums.

6. **End-to-end data protection:**

   The IZAR IoT Gateway Premium prioritizes data security, ensuring end-to-end protection from the meter to the Meter Data Management (MDM) software. This commitment to security instills confidence in customers regarding the safeguarding of their data flows.

7. **Energy efficiency for long-term investment:**

   Despite handling high data frequency and volume, the device maintains energy efficiency, offering a rewarding long-term investment for utilities.

Empowering Utilities for the Future

The new IZAR IoT Gateway Premium from Diehl Metering empowers utilities to navigate the complexities of IoT technology infrastructures effortlessly. Diehl Metering remains committed to pioneering technologies that bring efficiency, sustainability, and responsibility to the management of water and energy.

About Diehl Metering

Diehl Metering is a worldwide leader in the design, manufacture and supply of smart metering solutions. With over 150 years of experience, we empower utilities, municipalities and industries to take control of their infrastructures, bringing greater efficiency, sustainability and responsibility to the way they manage water and energy.

Our extensive range of services and solutions includes data-driven insights, IoT connectivity, fully-flexible software, and seamless intelligent metering. We have pioneered several new technologies in the metering sector, and continue to develop innovations in digitalization and artificial intelligence. Our entire portfolio is founded on creating enduring value and building lasting relationships with our customers.

Headquartered in Germany, we are a family-owned business with an international reach. We are proud to maintain our founding principles of quality, reliability and customer proximity, proactively shaping a better future for our customers and the communities they serve. Our approach is to think global and act local. By anticipating trends and remaining agile, we adapt and develop our strategy with our customers and for them.

In supporting their long-term growth, we also contribute to the sustainability of the planet, crafting innovations that enable our customers to make ever better use of the natural resources we all rely on.

For media inquiries, please contact:
Cécile Crouzy | Corporate Communications & PR Manager | cecile.crouzy@diehl.com