

Diehl Metering

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Diehl Metering Unveils Multiconnectivity IoT networks, Shaping the Future of Smart Cities

The evolution towards smart cities is accelerating, driven by the imperative to modernize infrastructure for the 21st-century society. As urban areas are projected to house 60 percent of the global population by 2030, the demand for innovative "smart" technologies is unprecedented. Diehl Metering stands at the forefront of this revolution, introducing forward-looking IoT solutions that redefine the connectivity landscape.

The current landscape

Cities face mounting pressures to foster sustainable growth, establish regional advantages, and provide citizens with convenient, health-conscious, and safe urban services. Challenges such as rising costs, compartmentalized municipal departments, and intricate technical complexities hinder progress precisely when fortifying infrastructure, establishing networks, and introducing new services are critical.

The power of smart city technologies

Leading cities globally are already reaping the benefits of well-established smart city technologies, implementing communication networks as the groundwork for future applications. Tangible outcomes include the introduction of novel services, reduction in operational costs, and substantial energy savings in compliance with environmental directives.

Enter multiconnectivity

Diehl Metering takes a leap into the future with its multiconnectivity IoT networks. These innovative networks empower cities to seamlessly integrate smart city services from existing smart metering networks, enabling long-term expansion and improving return on investment.

Building one IoT communication network, opening infinite possibilities

By creating a super-network that integrates all IoT technologies for smart metering and smart cities, Diehl Metering enables all devices, platforms and software to exchange and interpret data within a single unified communications network, now and for the long term. This propels cities into a realm of infinite possibilities where innovation meets continuity, turning the future into reality.

Maximizing ROI with a flexible, scalable, and sustainable IoT network

- 1. Transmit any connectivity technology:**
Diehl Metering's IoT networks include data transportation by most of common (LPWAN) technology, enabling utilities to create comprehensive and interconnected systems, reaching within 11km.
- 2. Connect all existing and future devices:**
Backward compatible with sensors already in place, these communication networks are open to future connectivity technologies, and can include up to 100,000 transmitting devices/gateways.

3. Roll-out smart metering and beyond:

Designed for long-term use, Diehl Metering's pioneering IoT communication networks go beyond smart metering, seamlessly integrating existing and future needs of smart cities.

A brand new all-in-one IoT gateway for smart metering and smart city

Managing multiple IoT technology infrastructures has always been a challenge. In November 2023, Diehl Metering is presenting the market's first outdoor gateway offering full multi-connectivity, combining mioty®, LoRaWAN® and M-Bus OMS radio technologies in a single device.

Now, with IZAR IoT Gateway Premium, it's possible to create an IoT network integrating typical IoT technologies for smart metering and smart cities into a single infrastructure.

Shaping success with Diehl Metering

Diehl Metering's expertise and support are dedicated to helping organizations take the first steps towards a successful IoT network for smart metering and smart cities. From planning to implementation and monitoring, our IoT service offerings lend a hand and guide utilities through the decisive stages of a project when it comes to planning an IoT network that makes the most of multiconnectivity to meet the city's current and future needs.

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.

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