

DIEHL
Metering



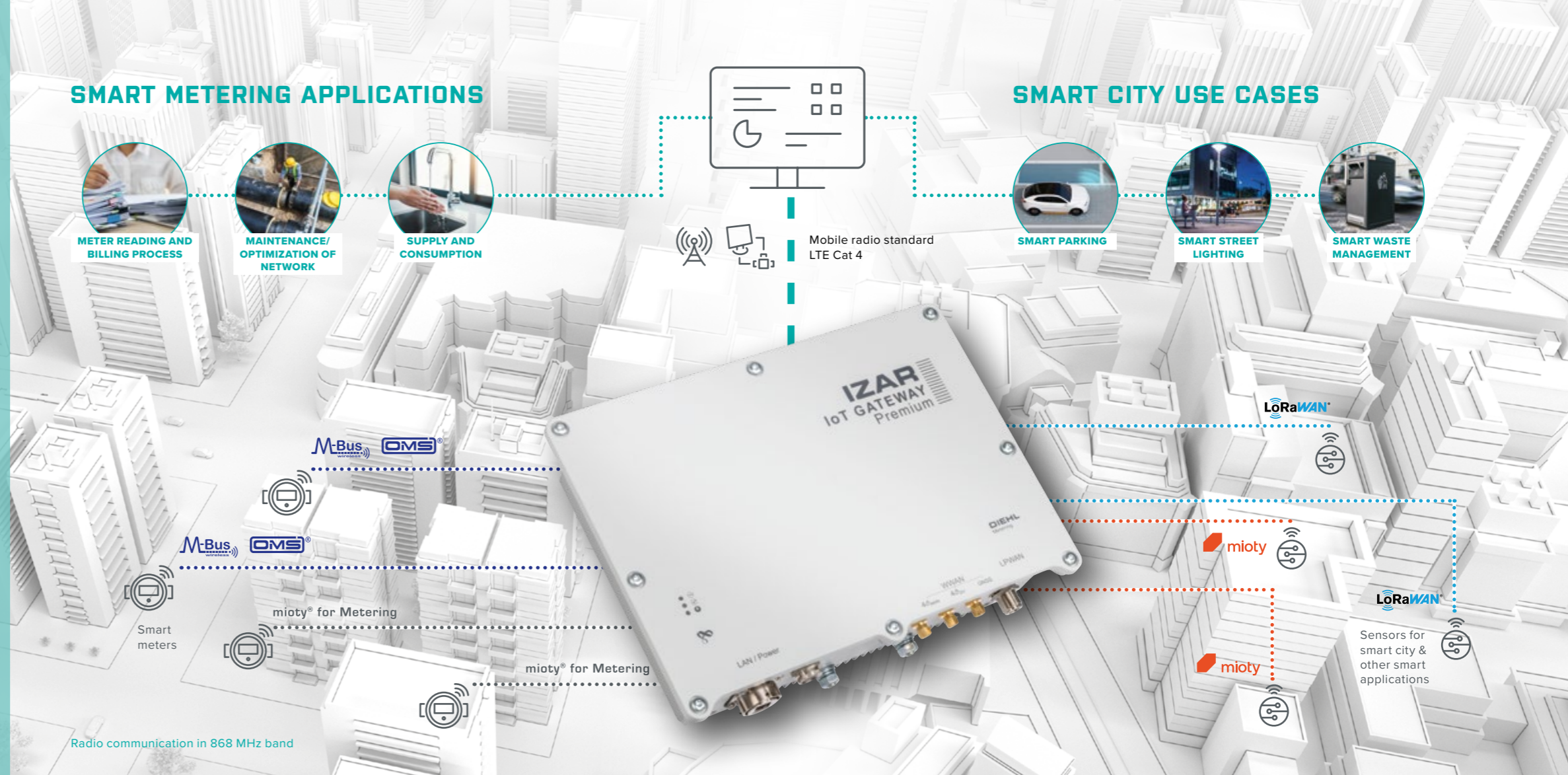
IZAR IoT GATEWAY PREMIUM

The powerful all-in-one IoT gateway
for smart metering and smart city

IZAR IoT GATEWAY PREMIUM

ONE GATEWAY. VARIOUS IoT TECHNOLOGIES FOR SMART METERING AND SMART CITY. CREATE YOUR COST-EFFICIENT SUPER-NETWORK.

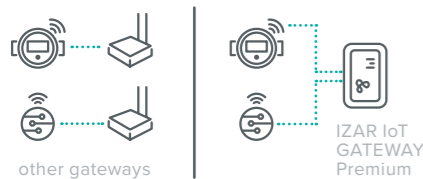
IoT technologies for smart metering realize use cases that help to improve the network of a utility. Typical smart city IoT technologies enable cities to benefit from a variety of sensors that generate data to improve the quality of life for their citizens and open up new business opportunities for utilities. However, managing several IoT technology infrastructures is a challenge. Yet with the IZAR IoT GATEWAY Premium you can create a cost-efficient super-network that integrates typical IoT technologies into a single infrastructure. This multi-connectivity gateway stands for highest flexibility and a long-term future-proof investment.



Radio communication in 868 MHz band

SMART METERING & SMART CITY TECHNOLOGIES IN A SINGLE INFRASTRUCTURE

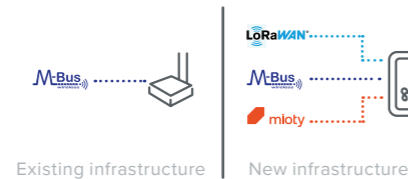
- ▶ Investment in only one type of gateway needed
- ▶ No building up and maintenance of several types of gateways
- ▶ Being in control of only one infrastructure



Your benefit
Have all the IoT technologies you would like in one infrastructure and benefit from a simpler installation and maintenance process.

INTEGRATION INTO AN EXISTING NETWORK

- ▶ Simply add other IoT technologies by exchanging the already installed gateways with the IZAR IoT GATEWAY Premium – no need to find new gateway locations
- ▶ With the backwards compatibility, you can keep your meters and exchange them at your own speed



Your benefit
Avoid a lot of effort and high costs when integrating new technologies into an existing infrastructure.

RADIO RANGE

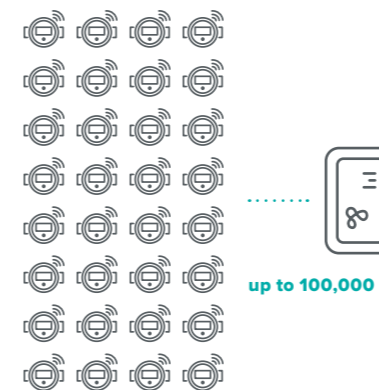
- ▶ Extreme Extended Range Mode reaching up to 11 km
- ▶ For reaching meters in challenging installation situations



Your benefit
Reduce investment and operating costs through reliable coverage of large areas with a lower number of gateways.

SCALABILITY

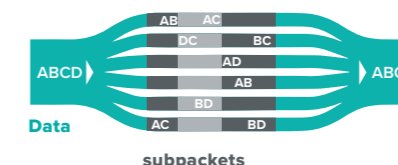
- ▶ Enables massive IoT
- ▶ Up to 100,000 transmitting devices



Your benefit
Get numerous radio telegrams with only a few gateways and benefit from the low Total Cost of Ownership.

RADIO ROBUSTNESS WITH INNOVATIVE MIOTY® FOR METERING

- ▶ Reliable hourly data transmission through telegram splitting (sending at different times, on different frequencies)
- ▶ Enables interference mitigation with other networks
- ▶ Lowest packet error rates despite a crowded spectrum



Your benefit
Profit from highest data availability to realize your use cases without losing any important information.

DATA PROTECTION

- ▶ End-to-end security from meter to Meter Data Management (MDM) software



Your benefit
Your customers will value secured data flows.

ENERGY EFFICIENCY

- ▶ Despite high data frequency, volume and extreme radio range

Your benefit
Benefit from a rewarding long-term investment.

