

# **IOT NETWORK PLANNING SERVICE**

Planning an IoT network  
to shape long-term success



## EMPOWERING YOU TO **UNLOCK FUTURE OPPORTUNITIES**

Whether you work for a city, a utility or an industrial company, it's never been more essential to digitize your infrastructure. A well-executed IoT network enables multiple devices to connect and exchange data, driving process transparency. It unlocks new capabilities, improving your agility and ability to react to customers and citizens. It uncovers new efficiencies, making life simpler and boosting competitiveness. And it ensures service continuity for businesses and society, no matter what the circumstances.

How can you be sure of choosing technology that delivers precisely the information you need – and as often as you need it? What does it take to build a robust, high-performance infrastructure with seamless connectivity and the right range? What legal and regulatory requirements do you need to respect? And which protocols and standards should you choose to ensure your network thrives long into the future?

At Diehl Metering, we're here to help you make those decisions. By providing you with **training, technical guidance** and **expert support**, our IoT Network Planning Service empowers you to build a network that unlocks your project's full potential.



"The expertise of Diehl was a real plus in planning our IoT network. Their team was always on hand to share their know-how and guide us, making it much easier to make complex decisions about technology. The final plan is exactly what we were looking for, and we are confident we can now implement a network that will meet all our needs, both now and in the future. We look forward to our future cooperation with Diehl!"

**Stefan Rauscher, Ragsol GmbH**

## MAKE THE RIGHT CHOICES NOW – **AND ENSURE FUTURE SUCCESS**

Diehl Metering's IoT Network Planning Service is dedicated to helping you take the first steps towards a successful IoT network. You define and fix your network's ambitions and possibilities for the future in the **planning phase**. The impact of your decisions at this stage can be long-lasting – which is why it's so important to make sure you are **well-informed** and **properly supported**.

Through our IoT Network Planning Service, we provide you with **personalized guidance, consulting and training**. This empowers you to confidently address key planning challenges like network coverage, budgeting, and technical compatibility. In particular, you'll be able to:

- > Identify your future ambitions and define realistic objectives
- > Understand and navigate network technologies like NB-IoT, Sigfox, LoRaWAN® and mioty®
- > Select the network standards that suit you best in terms of efficiency and cost-effectiveness
- > Explore new business models and use cases
- > Create opportunities to provide more sustainable services
- > Design a proper rollout plan to ensure the successful implementation of your network plan – with the possibility of choosing Diehl Metering as your partner

An aerial photograph of a city, likely Copenhagen, showing a dense urban landscape with a river and various buildings. A white network of lines with circular nodes is overlaid on the image, connecting various points across the city, symbolizing an IoT network.

## THE BENEFITS OF A WELL-PLANNED IoT NETWORK

Diehl Metering's IoT Network Planning Service is aimed at any decision-maker wanting to create a large-scale IoT network.

Throughout the program, we work with you to create a personal roadmap for your future IoT network – with the benefits varying according to your situation and sector.

### YOU ARE A UTILITY DECISION-MAKER

If you're responsible for a utility, a well-planned fixed network will enable you to boost your operational excellence. At Diehl Metering, we can support you to:

- > Acquire the technical know-how to make risk-free decisions about your future IoT network
- > Simplify budget planning and optimize total cost of investment
- > Be recognized as a provider of connectivity and smart city enabler
- > Increase your attractiveness to consumers through value-added services
- > Grow your reputation as an innovative company to retain and attract employees
- > Future-proof your network to benefit from operational efficiency improvements
- > Make your network and services more sustainable



## YOU ARE A MAYOR OR CITY PLANNER

If you're planning to make living in your city smarter, an efficient IoT network is essential. At Diehl Metering, we can support you to:

- > Mitigate risk and make well-informed decisions about technology
- > Simplify budget planning for your IoT network and reduce total cost of ownership
- > Boost your attractiveness and reputation as an up-to-date and future-oriented city
- > Improve citizen's quality of life through new technology capabilities
- > Plan a future-proof network so it's simple to integrate new developments in the coming years
- > Make your city's operations more efficient and sustainable
- > Generate additional revenue streams by providing connectivity to third parties

## YOU ARE AN INDUSTRIAL LEADER

In the industry sector, an IoT network can be a powerful tool, enabling you to better manage your business. At Diehl Metering, we can support you to:

- > Understand the intricacies of different IoT technologies and make sound investment choices
- > Design your IoT network based on your individual wishes, needs and expectations
- > Optimize budget planning for the implementation of an IoT network
- > Increase the efficiency of your company's infrastructure and reduce costs of operation
- > Plan a future-proof network so you can take advantage of new technology and business opportunities
- > Boost the overall sustainability of your operations through digitization and optimization of business processes

# STEP-BY-STEP SUPPORT TO FORMULATE YOUR PLAN

Our IoT Network Planning Service is centered on a series of workshops when we tackle your objectives with an iterative approach to fully customize the content to your needs.

We kick off with a **2-day workshop**.

- > **On Day 1**, you'll get a detailed insight into different IoT technologies and how they can be used as well as a good idea of which ones might best serve your needs.
- > **On Day 2**, we take a closer look at your current situation, investigate potential business models for your network, and discuss the next planning steps.

During the following phase of the service, we iteratively plan the IoT network based on your requirements and needs.

To conclude, we present the **final results** of your network planning, talk about your business ideas, and discuss potential next steps.





# 5 REASONS TO PARTNER WITH DIEHL METERING FOR **IoT NETWORK PLANNING**



## **BENEFIT FROM EXTENSIVE EXPERIENCE**

We invented IZAR radio technology, a precursor to the Internet of Things, and have long-term experience in designing and operating fixed networks for optimal connectivity all over the world.



## **LEARN FROM TECHNICAL EXPERTS**

Our experts have a deep knowledge of IoT networks and technologies. Thanks to their know-how, we have successfully developed, operated and maintained our own IoT technology, and recently launched mioty®, a future-proof protocol for massive IoT.



## **UNIQUE IoT PLANNING TOOL**

We have developed a unique mathematical optimization tool to identify the cost-optimized IoT network based on your individual situation, requirements and ambitions.



## **A PARTNER YOU CAN TRUST**

As an independent, family-owned company, we pride ourselves on being a trusted and reliable partner. And as an international company, we provide you with full support, wherever you are.



## **EXPLORE NEW SYNERGIES**

Our knowledge of smart cities, smart metering, data management and data analysis means we can help you explore the full potential of your IoT network – and create new business opportunities.

