

**INSIGHT**

# **TOGETHER FOR GREEN ENERGY**

Efficient network planning support based  
on the example of Bayernwerk



# TOGETHER FOR GREEN ENERGY

The energy transition is in full swing, and many power grid providers are facing the challenge of implementing additional transmission lines to feed green energy into the power distribution grids. In this context, it is inevitable to renew, reinforce and expand the existing power grid in order to efficiently handle the increasing energy demand. In the course of this important transformation, smart infrastructures, smart grids & smart meters play a decisive role as a prerequisite for intelligent, flexible network control in the power grid levels, similar to Bayernwerk. In this context, siticom plays a decisive role as an expert in the planning and realization of routing for medium and low-voltage lines.



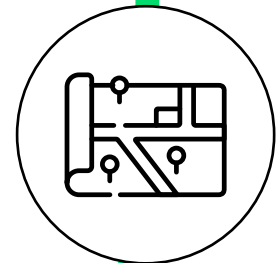
bayernwerk

siticom  
a Logicalis company

# OUR SERVICES IN DETAIL

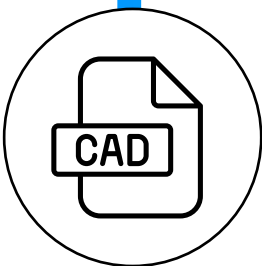
## RESEARCH AND PROCUREMENT OF SUITABLE MAP BASES

To provide a solid foundation for our planning, we ensure that we have access to current and accurate map materials. Sound research is key to the successful completion of projects.



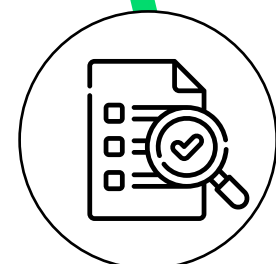
## DETAILED PLANNING WITH GIS TOOLS

Using powerful GIS tools such as QGIS or AUTOCAD, we create accurate and detailed plans for medium and low voltage transmission lines. These plans are individually adapted to the customer's requirements to ensure optimal implementation.

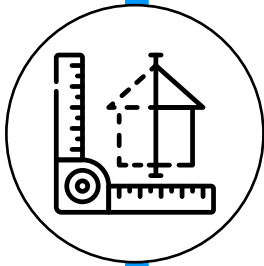


## PLAUSIBILITY CHECKS

We carry out comprehensive plausibility checks to ensure that the planned route is feasible. To this end, we are in close contact with the relevant authorities, carry out on-site inspections and negotiate with landowners to clarify possible restrictions or permits.



# OUR SERVICES IN DETAIL

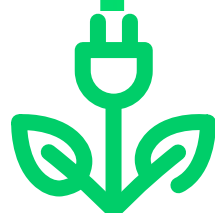


## GIS-SUPPORTED ON-SITE SURVEY WORK

Accurate surveying is critical to determine the exact route of the alignment and avoid undesirable deviations. Our experts use state-of-the-art GIS-assisted on-site surveying techniques to ensure maximum precision.

## CONCLUSION OF PERMISSION AGREEMENTS

We take care of all legal aspects and ensure that all necessary agreements and permits are in place to successfully implement the planned route. Careful and precise documentation is of utmost importance.



# CUSTOMER BENEFITS

Our services bring numerous advantages and customer benefits that guarantee effective and complete planning:



## **ACCESS TO QUALIFIED PERSONNEL**

Due to our broad range of professional resources, including planning experts, surveying specialists, construction supervisors and routing experts, our customers gain access to highly qualified personnel who effectively support projects.



## **COMPREHENSIVE IN-HOUSE COVERAGE**

Our wide range of services enables us to cover all aspects of projects in-house. This shortens information paths and ensures we work together smoothly and efficiently. A central contact person always maintains an overview of the entire project execution.



## **SUPRAREGIONAL RADIUS OF ACTION**

Regardless of the project location, we offer our services nationwide. This opens up new opportunities and expands the scope of action for the implementation of projects, allowing us to support Bayernwerk even more flexibly in the implementation of their green energy projects.

# SUMMARY

As a leading provider of network planning support, siticom makes its extensive expertise and commitment available, as in this case to the German power grid operator Bayernwerk, whom we helped to successfully implement the energy transition.

Our wide range of services includes the procurement of up-to-date map bases, detailed planning using state-of-the-art GIS tools, plausibility checks, precise on-site surveying work, the conclusion of concession agreements, and the preparation of documents ready for submission for approval procedures and constructional realization.

With our experienced expertise and a dedicated team, siticom stands by its customers to jointly master the challenges of the energy transition. Our diverse services in efficient network planning support enable successful planning and implementation of routing for medium and low voltage lines. Rely on siticom to make your green energy projects a success and shape the future of energy supply in a sustainable way.



# CONTACT US

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## **ABOUT SITICOM**

siticom is a technology innovation company founded in 2010 with a focus on the digital transformation of infrastructure and networks of tomorrow. siticom's portfolio is geared towards the complex technological challenges of the future. The solutions and services range from technical and strategic advice to engineering services for planning and realizing network infrastructures in communication networks and corporate networks. Thanks to a highly innovative, flexible grid of system partners, siticom is able to implement high-quality solutions at short notice. The combination of consulting, design and architecture bundled with the assumption of system and implementation responsibility as well as test-automation distinguishes siticom as an independent system integrator.