



You can benefit from our solid experience in providing engineered power system services in more than 200 national and international projects within the field of Power Plant Construction.

Contact us:

☎ +49 (0) 9321 268 1000

✉ kontakt@ka-tek.de

High- and medium-voltage grid connections



From project planning to commissioning – we are a one-stop provider.

By choosing ka-tek GmbH you choose a partner who specializes in the planning, building, and commissioning of power generating plants and industrial facilities. We will take care of designing a grid connection concept for your plant along with its respective electric protection. In this design, we customize your grid connection considering your power supply company specific requirements. Moreover, our goal is to ensure an uninterrupted construction and later failure-free operation of your plant. Since we supply both system and services, we will provide you with the most economical and technical solutions tailored to your project needs.

Our range of expertise in establishing grid connections comprises the following services:

- Planning and building electrical substations and medium-voltage transfer stations
- Planning the primary and secondary technology
- Developing protection concepts, selective tripping plans
- Construction planning, urban land-use planning
- Approval planning
- Handling project management, comprising project control, deadline and cost monitoring, contract management, application formalities with power suppliers and documentation
- Installing cables and lines as well as planning cable runs and routes
- Earth termination and lightning protection systems, overvoltage protection
- Instrumentation and control as well as remote control systems
- Setting protection parameters as well as primary and secondary testing in high and medium voltage
- Maintenance and service
- Retrofitting – modernizing existing high-and medium-voltage plants and equipment, e.g. by replacing high-, medium- and low-voltage plants, transformers, cables and cable support systems

Your benefits from cooperating with ka-tek GmbH:

- ✓ Turn-key competency
- ✓ Highly-qualified mechanical and electrical engineers
- ✓ Professional interface management between our customer and project partners
- ✓ Product know-how independent to manufacturers
- ✓ Economically- and technically-tailored solutions
- ✓ Short reaction times in case of malfunctions
- ✓ Experience in national and international projects

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engineering