



## Electrical Engineering – Our Expertise

Our engineers devise tailored, holistic solutions from the evaluation of our clients' needs to the successful commissioning and handover of a project. We work on all types of building and infrastructure projects.

Our broad employee structure enables us to handle complex technical tasks as well as to guarantee a successful project execution.

### **Our range of services covers the following areas:**

- Design of high current, low current lighting and ICT systems as well as all associated installations
- Inventory analyses, expertise including risk assessment
- User-specific needs-analysis and evaluation of suitable technical solutions
- Network simulations and analyses with short circuit calculations, selectivity analyses, energy and load flow simulations
- Holistic power supply security concepts
- Management of the submission process
- Site management to ensure quality, deadline and costs targets are met
- Support for obtaining certification in SNBS, Minergie, Leed etc.
- Planning, organisation and execution of obligatory and user-specific integral tests

**Challenge us – together we will win!**



## Lightning Protection – Our Expertise

Lightning protection systems are a critical part of fire protection in buildings. Our VKF-certified lightning protection engineers develop and produce both standard and customer-specific lightning and surge protection concepts for all types of buildings.

### **Our range of services covers the following areas:**

- Definition of the lightning protection class in accordance with local standards and guidelines
- Lightning protection risk assessment
- Calculation of catch and discharge devices and determination of separation distances
- Overvoltage protection concepts
- Production of lightning protection concepts to meet official standards, incl. authority approval procedures
- Definition of technical and structural measures to ensure an optimally integrated concept
- Accompaniment and control of the execution as well as of the approval process
- Coordination of lightning protection measures with other sectors such as architecture, façade, plumbing and drainage, timber construction etc.

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