



Energy – Our Expertise

Less is more. This is our guiding principle for the conscious and sustainable use of energy. Security without sacrificing innovation, ecology and sustainability without sacrificing comfort – we live up to this claim every day in our challenging consulting jobs.

The technically and economically optimised provision of electrical energy is an elementary task of every operator. HKG supports large-scale operators in securing electricity as well as in economically optimised procurement.

Buildings, Quarters and Areas

The foundation for energy efficiency and the minimisation of operating costs is laid in the concept phase. When building, it is important to find the most optimal solution with inclusion of architecture, shell and building technology. We analyse energy consumption, costs, environmental pollution and maintenance in detail. From this, innovative site developments and intelligent remediation strategies can be generated.

Photovoltaics and Energy Storage

HKG develops photovoltaic concepts that are tailored to the needs of the customer and sized to optimise efficiency or yield, depending on the requirements. By means of an economic analysis and clarification of the possible remuneration models (what you get back when you sell back to the grid), we offer comprehensive technical as well as economic advice. The addition of an electrical or thermal storage in combination with an intelligent load management system optimises self-consumption and thus economic efficiency.

Merger for Self-Consumption ZEV

The merger to form the ZEV for self-consumption creates new opportunities for building owners and operators to do their part for the energy turnaround. HKG advises you on the technical and legal framework necessary for the merger for self-consumption and supports you in the implementation from project planning to operation.



Electromobility

Due to the forecasts for the expected increase in electromobility, the scalable integration of the infrastructure required for electromobility will become indispensable. HKG develops scalable solutions that take sufficient account of the aspect of growth and the associated demands on installations. The scalability of the expansion of the infrastructure ensures the investment protection of the electrical installations for electrical mobility.

Energy Efficiency Analyses and Operational Optimisation

Energy efficiency means the same benefits with less energy input without sacrificing comfort.

An analysis of the operation from the perspective of energy is the basis for the reduction of energy costs. We carry out analyses in industrial and service companies of all kinds. With accreditations from act (large consumers, universal target agreements) or energy consumption analyses (EVA), we examine buildings, heating, ventilation, cooling, compressed air, lighting, process, etc. and help implement the evaluated measures.

Challenge us – together we will win!