



## Building IT – Our Expertise

The requirements for the communication networks of smart buildings are undergoing a major change. The Internet of Things (IoT) is gaining ground, and more and more devices are communicating digitally in a wide variety of ways.

Many new technologies are entering the network that were considered unimaginable just a few years ago. Who would have expected that floor coverings (luminous carpets) would receive an IP address! This digital transformation requires new organizational structures in the building process. The question arises, who is responsible for the electronic floor covering? The interfaces become more complex and the coordination of all these trades challenging.

All IP is a reality in building technology and communications. This increases the demands on the IT network and IT security. Building IT is becoming a key trade in the construction process and operation of the building.

With smart home and hybrid cloud solutions, the tools for fully integrated and linked building technology are available today. HKG as a building IT planner brings together the individual systems and defines the interfaces according to the project requirements.

Anyone who takes insufficient account of these requirements in the planning of a new building today will have difficulties marketing and operating the building in the future.

These technologies are based on the communication with each other via managed interfaces. The concept and design of the network and IT security play a key role in this process.

With our proven project management and interface expertise we the integration and coordination of all technical disciplines in the building process. Our clients benefit from holistic and coordinated systems as well as insights into future and sustainable technologies.



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

- Network design (ICT / BCT)
- IT security and safety
- AV technology planning (audio and video)
- Design of control and security centers
- Project and interface management during construction and operation
- Integration and coordination of all technical trades during construction and operation
- Coordination of commissioning
- Integral cross-trade system and interface tests
- Acceptance and handover to operation
- Operation and maintenance
- Operational and system optimization

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