



New «Cité du Temps» in Biel – Copyright Swatch Group



Photovoltaics – Our Expertise

Today, photovoltaics is a standard part of professional building services engineering. Firstly, solar power can be generated economically, and secondly, the promotion of own power consumption creates additional incentives, making the integration of a photovoltaic system even more cost effective.

HKG develops bespoke photovoltaic concepts which are dimensioned according to the precise specifications of the building owner and operator. By means of simulation and profitability analyses, reliable estimates can be made about future yields, self-consumption and thus energy costs. Our engineers ensure consistent and product-neutral engineering throughout all project planning and execution phases.

Our range of services covers the following areas:

- Continuous project planning services from concept to commissioning, with a customer-oriented billing system
- Needs-oriented design with regard to performance and yield profile
- Simulations and profitability calculations
- Variant studies, technology evaluation, measurement concepts
- Self-consumption optimisation
- Integration of electrical storage devices
- Integration of e-mobility charging infrastructure
- Integration into energy management systems
- Integration of lightning and surge protection for photovoltaics systems
- Administrative and, where necessary, legal assistance for merger for self-consumption (ZEV), building applications, subsidies, planning approval procedures, etc.

Challenge us – together we will win!