Smart City Hub Switzerland

Smart City stands for a holistic, forward-looking development concept that aims to make our cities more efficient, technologically advanced, greener and socially more socially inclusive. Various cities in Switzerland are currently developing strategies and implementing projects in cooperation with other partners.

Smart City Hub Switzerland promotes cooperation and knowledge sharing among Swiss cities and other important partners. The association serves as a facilitator for collaboration on topics and projects of common interest in the field of Smart City.

It is the declared aim of the association to enhance cooperation and the exchange of knowledge in the field of Smart City between cities and their businesses, nationwide service providers as well as federal agencies and research. It encourages its members to take advantage of synergies and to share knowledge and skills. Its main task is to support the implementation of projects in order to save time and costs. Further activities of the association include the promotion of dialogue and cooperation, the development of innovative and citizen-/customer-oriented solutions as well as the exploitation of economies of scale.

The association was founded in 2018. The association is based in Berne; its office is located near Basel.

For further information on membership, ongoing projects, benefits and articles, in German and French, please refer to:

Smart City Hub Switzerland
CH–3000 Bern
Tel. + 41 61 965 99 15
info@smartcityhub.ch
www.smartcityhub.ch
About Zurich

Zurich is located in the heart of Europe and an important economic and cultural hot-spot of Switzerland. The beautiful lake, the panoramic view on the Alps, the numerous recreation areas and the urban diversity are the city’s signature features.

Zurich offers excellent shopping, sports and leisure activities, as well as a wide range of cultural activities. The infrastructure is excellent - from waste disposal management to public transport. In terms of quality of life, the city repeatedly holds top positions in international rankings. Furthermore, the city receives regularly top ratings by its population in public surveys. Zurich is a lively and dynamic small metropolis. The largest Swiss city is home to more than 400,000 residents. Slightly more than 30 percent of the population does not hold a Swiss passport. Zurich is proud of this diversity of mentalities and lifestyles, its openness to the world and the coexistence of different nationalities and cultures.

As a municipality, the City of Zurich holds a high degree of regional autonomy and a considerable influence on political decision-making. Apart from municipal representatives, citizens can also vote on initiatives or large public investments and thus directly shape the politics of the City of Zurich.

The city administration consists of nine departments, each of which is led by a member of the city council.

Lighthouse projects

**Digital Twin**
The Digital Twin is the city’s digital spatial representation. Based on the existing digital 3D city model, a platform for visual communication and collaboration will be implemented. First, an app will be established containing the existing city model and further geodata and information. Furthermore, urban planning scenarios, concrete civil engineering and construction projects or detailed building projects (BIM models) can be visualized in detail. In addition, the platform will improve collaboration between internal and external stakeholders and apply technologies such as virtual and augmented reality to better visualize planned projects.

**EnerGIS**
Through the EnerGIS information platform, homeowners can access specific information on the kind of energy sources available for their building: existing and planned energy networks, options for district heating or renewable energy systems such as solar collectors, photovoltaic systems, geothermal probes, air-water heat pumps. For the first time, EnerGIS links building specific data with energy information from municipal energy suppliers, municipal energy planning and the canton using a geographic information system (GIS). The main objective of the new service is to make it easier for homeowners to switch from fossil fuels to renewable energy sources and to connect their homes to climate-friendly energy networks. Shifting to renewable energy sources reduces greenhouse gas emissions. Therefore, the City of Zurich is taking an important step towards achieving its goal of a 2000-watt society.

**Mein Konto**
“Mein Konto” (my account) is the gateway to the online services of the City of Zurich. “Mein Konto” pools the available online services around one single login. The City of Zurich’s online services make the exchange between the population, companies and the administration easier and faster. There is no need to show up at the post office, school or district office in person anymore. Administrative staff no longer have to manually enter data into the city’s systems. Because processing is oftentimes automatic, the administration becomes more and more responsive towards the population or companies.

**Budget for projects**
Yes (not yet approved)

**Amount per year in CHF**
- **Smart City Hub**: 500'000 - 1'000'000
- **Kickstart Accelerator**

---

**Basic facts**

- **Canton**: Zurich
- **Spoken language**: German
- **Inhabitants**: 429'000
- **Development**: growing (expected 490'000 by 2030)
- **SC Strategy**: www.stadt-zuerich.ch/prd/de/index/stadtentwicklung/smart-city
- **Organisational approach for SC Initiatives**: City led initiative with interdepartmental steering committee and a team within the urban development department (to be constituted in 2019)

**Digital Infrastructure and Layer**
- Central data center infrastructure
- Fibre optic network (zürinet)
- Open Data Platform
- ICT for schools (KITS for kids)
- Citywide LoRa WAN (development stage)

**Ongoing Partnerships**
- **Smart City Hub**
- **CGCC EU (Council of Global City CIOs EU Chapter)**
- **Kickstart Accelerator**

**Sources**
- www.stadt-zuerich.ch/portal/de/index/politik_u_recht/stadtrat/weitere-politikfelder/smarterstadt/