



HCP BUILDING

OFFICE AND SEMINAR BUILDING / ZÜRICH-HÖNGGERBERG – ZH

N° 12026E

Building contractor
Immobilien ETHZF AG
c/o ETH Zurich Foundation
Auf der Mauer 17
8021 Zurich

General contractor
HRS Real Estate AG
Siewerdstrasse 8
8050 Zurich

Architect
Züst Gübeli Gambetti
Architektur und Städtebau AG
Limmatstrasse 65
8005 Zurich

Civil engineers
Ribi und Blum AG
Konsumhof 3
8590 Romanshorn

Technical consultants
Electrical engineering:
Hefti.Hess.Martignoni Aarau AG
Wiesenstrasse 26
5000 Aarau

HVAC planning:
Pffner AG
Farbhofstrasse 4
8048 Zürich

Façade planning:
Ziltener AG
Wässermattstrasse 2
5000 Aarau

Surveyors:
Geomatik + Vermessung
Stadt Zürich
Weberstrasse 5
8004 Zurich

Geologist:
Dr. Vollenweider AG
Badenerstrasse 621
8048 Zurich

Construction physics:
Kopitsis Bauphysik AG
Zentralstrasse 52a
5610 Wohlen

Landscape architect
Vogt Landschaftsarchitekt AG
Stampfenbachstrasse 57
8006 Zurich

Building location
Leopold-Ruzicka-Weg
8093 Zurich – Hönggerberg

Planning phase
2011 – 2013

Construction phase
2013 – 2015

Published in Switzerland



LOCATION/HISTORY

The HCP office and seminar building is part of the ETH campus on the Hönggerberg, a ridge five kilometres northwest of Zurich city centre. This satellite of the Swiss Federal Institute of Technology is surrounded by pastureland and extensive forests. The research and institute buildings were built in several stages from the 1970s on. The "Science City" masterplan is transforming the site into a full-fledged city neighbourhood with apartments, shops and cultural options.

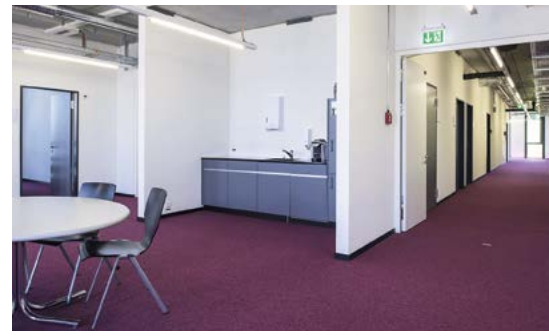
The new HCP building closes off the campus site on the southern side. This 200m-long, 20m-wide construction traverses the slope that falls away gently from the edge of the forest in towards the road in a northwest direction. It is located in front of the large comb-like HCI building. HRS managed the project as general contractor, assuming all cost, quality and deadline guarantees.

CONCEPT/ARCHITECTURE

HCP accommodates 230 workspaces and four seminar rooms. The design by Züst Gübeli Gambetti Architektur und Städtebau AG won the full-service competition organised by HRS in 2011. The HCP has the appearance of an austere functional building with a uniform façade consisting of a succession of narrow storey-high windows and closed elements of the same width. The even rhythm of the façade is offset by one element on each storey. In total, this building, which has no basement, has five storeys staggered along the slope so that there are never more than two full storeys above each other on the terrain.

The floor plan is organised in three wings; two longitudinal corridors provide access to the room zones along the façades and encompass a central area where the four stairways, sanitary modules, service and meeting rooms are located.





SPECIAL FEATURES

Originally planned as a temporary solution, the building was finally built as a permanent, reinforced concrete skeleton structure. The concrete stairwells and individual wall panels serve to stabilise the building against earthquakes and wind. The bracing elements cannot be inserted in a basement and loads are transferred by friction and by peripheral reinforcing into the foundations. Vertical loads are passed into the subsoil by driven piles (pressure and tension). Structural engineering focussed on flexible use and the free spatial dimensioning of the office units. Some

of the flat roofs can be used as terraces. The "cascade" of staggered storeys does not form an impenetrable block. In front of the courtyards of the adjacent HCP building, the upper storeys are raised to open up space for covered, 40m-long leisure and entry zones. The free space beneath the building opens up a view towards the Limmat Valley.

As for energy, the HCP building scores points with its self-regulating heating/cooling, based on a thermoactive component system. Decentralised ventilation provides a pleasant indoor climate.

PROJECT DATA

Total cost:	approx. CHF 16 million
Building volume:	29,616 m ³
Total floor space:	6,894 m ²
Total office space:	3,333 m ²
Storeys:	5
Seminar rooms:	4, in total 286 m ²
Offices:	154
Workspaces:	230
Leisure rooms:	5
Terraces:	3

