

Lakewater Heating and Cooling
 Total consumption of less than 40 KWh/sq m/year for heating, cooling and electricity combined is achieved through the recycling of lake water for both heating and cooling. This is the first building on the lake outside of the city of Zurich to employ such a system

Well Connected
 From the tranquil shore of Lake Zurich, the heart of urban Switzerland can be reached by train or ferry in less than half an hour. There is a bus station providing links to the surrounding area.

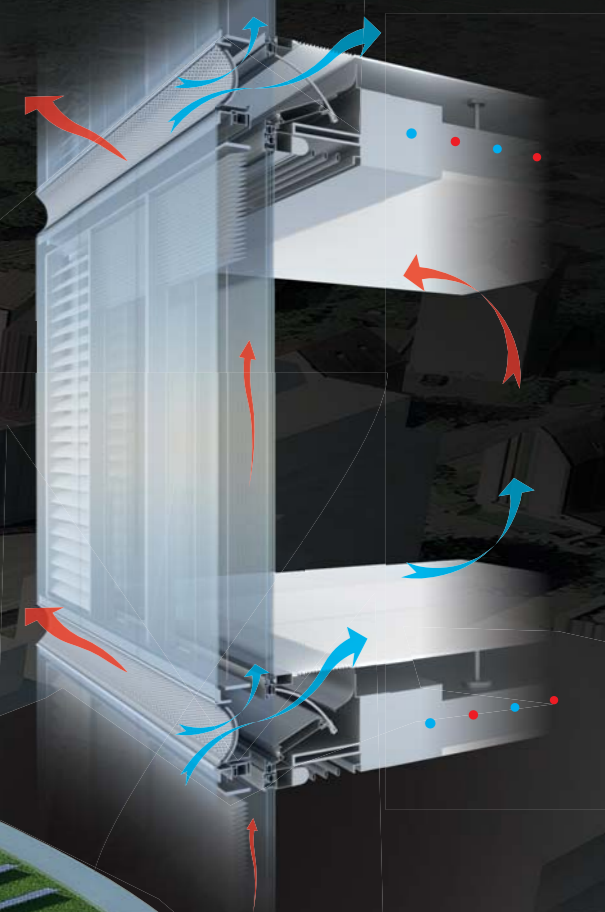
Photovoltaics
 The use of solar panels reduces the demand for conventional energy.

Façade Airflow
 The double skin façade allows for natural ventilation of the office space. Through the implementation of openings within the facade, fresh air enters at a lower level and waste air is expelled at a higher level. The developed detail prevents the contamination of fresh air with stale air.

Green Roof
 A vast 1000 sq m green roof improves thermal performance, preventing rapid temperature fluctuations throughout the day.

Sun Shading
 The venetian sunscreen protects against glare and excessive heat gain while still permitting the impressive lake views afforded by the building form.

Rain Water Harvesting
 Rain water collected from the roof is used for irrigation.



natural swimming

Bus Stop

Villa Windegg

outdoor working

public plaza

cafe

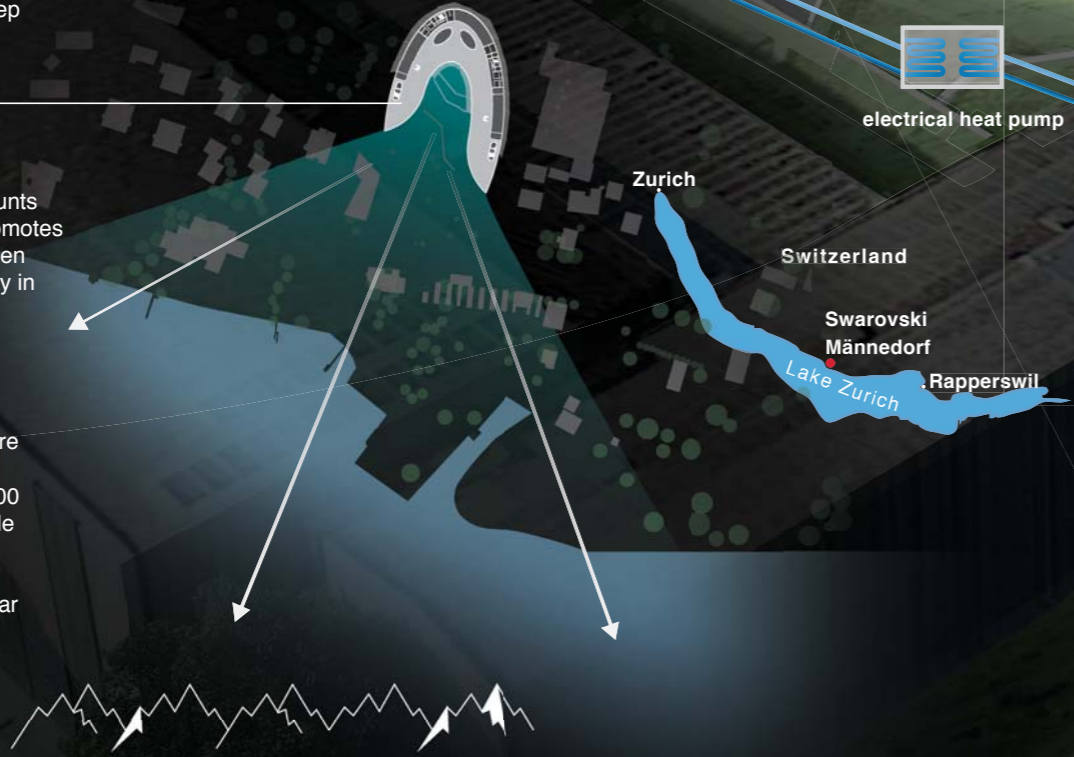
flexible open space

Thermal Mass Activation

Renewable Energy
 83.3% of heating loads are met through the use of renewable energy sources, while 100% of electricity is met with renewable sources. Natural daylight is maximised through a fully glazed facade. The use of light materials inside the building reflects light deep into the floor plan.

Community
 An open plan office structure accounts for 70% of the work space; this promotes openness in communication between staff and allows for greater flexibility in office arrangement.

Maximised View
 The horse shoe form of the structure exploits the lake view, offering a pleasant view to nearly all of the 500 employees. The fully glazed facade maximises the potential of the site as do two wooden decks that promote views of the Alps on a clear day.



electrical heat pump

Bicycle Park

e-Car loading

Meeting Facilities

End of Trip Facilities
 Showers and lockers for cyclists, promoting carbon neutral travel.

Noise Reduction
 The form is designed to direct noise away from the building. Inside, a special plaster coating of the concrete slab assists in dampening noise while retaining the heating / cooling capacity of the slab.

train connection to Rapperswil

train connection to Zurich

ingenhoven swarovski, lake zurich • swiss minergie standard

The Swarovski HQ is the only building on Lake Zurich outside of the city to reach such a standard. The welcoming headquarters, sparkling like a crystal, offers transparency while minimising energy load requirements.