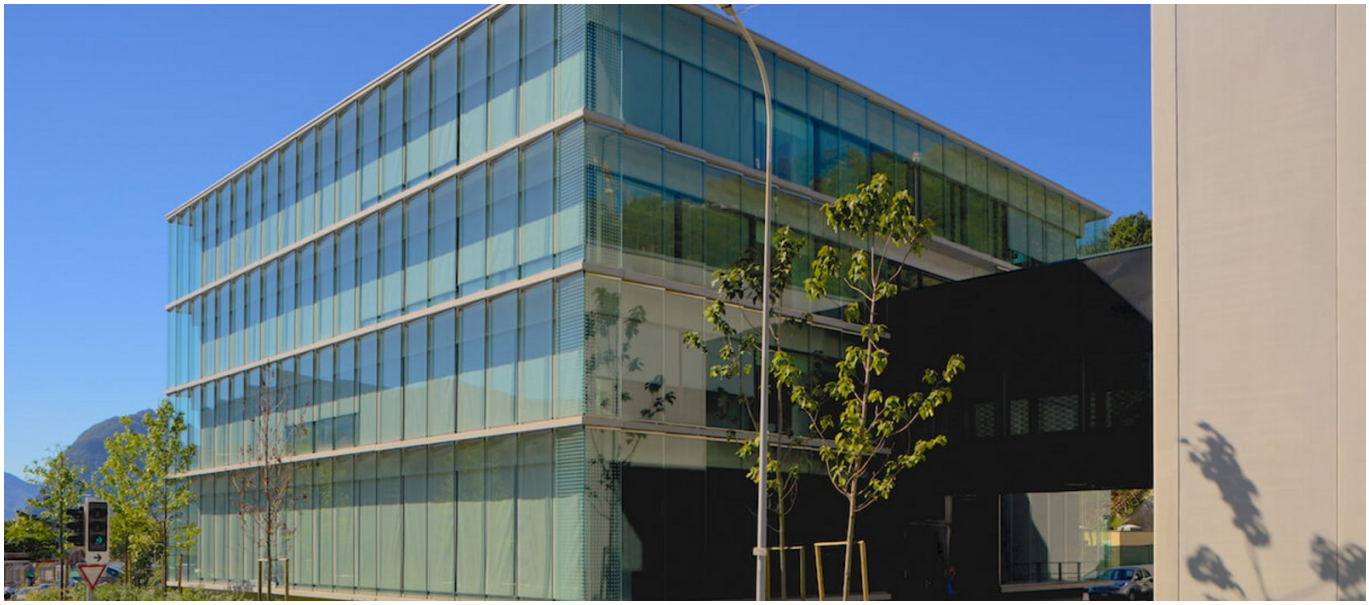
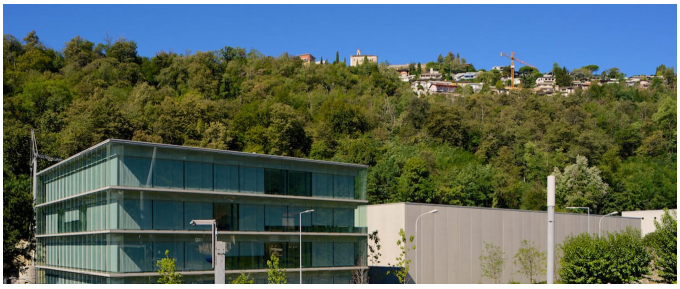
Reference

LCA Supercomputing Center







SHORT DESCRIPTION

New construction LCA Supercomputing Center
Turnkey construction
Construction and building services work
Office building with four floors

THE PROJECT

Execution as general contractor Implenia Schweiz AG, Buildings CH-6932 Lugano-Breganzona Services provided New construction

CHALLENGES

Short construction time / Complex building services

SUSTAINABILITY

The office building was constructed according to the MINERGIE-Eco standard. Eco standards were also partially implemented in the data center. The water required for cooling the supercomputer comes from Lake Lugano. The use of low-pollutant building materials, an environmentally friendly disposal and drainage concept, and ensuring economic efficiency through high utility value make the new building even more sustainable.

FACTS

Location	Lugano , Switzerland
Status	completed
Construction volume (value of our services)	45 M CHF
Start of construction	July 2010
Completion	March 2012
Architect	Itten&Brechbühl AG Architektur 8005 Zürich
Project designer	Bauingenieur: Tunesi Ing. SA 6963 Pregassona
Construction management	ETH Zürich Immobilien, Abteilung Bau 8092 Zürich
Planning	Itten&Brechbühl AG Architektur 8005 Zürich
Plot size	9583 m^2
Build volume	71079 m^2
Number of upper floors	4
Construction management	ETH Zürich Immobilien, Abteilung Bau 8092 Zürich

SUSTAINABILITY

MINERGIE® Minergie-Standard

SERVICES

New constructions