

## 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

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

## SUSTAINABILITY

**MINERGIE**<sup>®</sup> Minergie-Standard

## SERVICES

New constructions



<https://impenia.com/en/references/detail/ref/lca-supercomputing-center/>

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