



# holztragwerke

ENGINEERING & INNOVATIONS

Reference structural engineering

## Apartment building, 6-storey, Lugano

Construction of a 6-storey apartment building in Lugano city. Basement floor and foundations in concrete. Supporting structure designed with cross-laminated timber for vertical and horizontal loads. Load-bearing ceilings and walls made out of five-layered CLT elements with thicknesses ranging from 120 up to 180 mm. Single CLT bracing walls up to 240 mm thickness.



View (photo architect Marzi)



Assembly timber construction



Shell construction - interior

### Building owner

Ecoedil SA, Lugano

### Architect

Maurizio Marzi

### Year of construction

2011

### Activities

- Elaboration support concept
- Project planning, tender and detailed design of supporting structure and timber construction
- Project planning, tenders and detailed design of solid construction

### Contact

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Further references available on  
[www.holztragwerke.ch](http://www.holztragwerke.ch)