

# Cantonal Court, Lausanne

2025

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The extension fits perfectly into the south-eastern part of the existing Lausanne cantonal court building and brings together all the courtrooms on the L'Hermitage site in Lausanne.

## The project

The rounded extension consists of seven above-ground floors constructed from wood, accessed via a central spiral staircase made from reinforced concrete. This staircase also serves as a vertical escape route. The walls of the court offices follow the cylindrical shape of the building and open onto the outside, offering a beautiful view of the park. Engineers from the Timbatec office assisted the Makiol Wiederkehr office with project management and also handled the entire process related to the use of wood, particularly beech from nearby forests.

## The construction method

The crown-shaped post-and-beam structure is made of laminated beech wood elements. The twenty-five rays formed by the beams of the wood-concrete slabs rest in the center against the concrete core and on the facade on beech posts. The roof rests on beams inserted in the center into a ring of laminated wood, and the exterior facade is slightly offset, providing a generous terrace.

## The challenge

The reinforced concrete slabs were prefabricated and lifted in blocks. The 20 sections forming the slab are statically connected to the beams using a cast-in-place connection and working in conjunction with the beech beams. Good management of the stages was essential to ensure quality.



Central staircase of the «pillar of justice»

#### Construction Data

- Height: 21 m
- Diameter: 23 m
- Beech wood volume: 93 m<sup>3</sup>

#### Construction costs

- Costs BKP: CHF 1'115'000

#### Services of Timbatec

- SIA Phase 32 Bauprojekt
- SIA Phase 41 Ausschreibung und Offertenvergleich
- SIA Phase 51 Ausführungsprojekt
- SIA Phase 52 Ausführung
- SIA Phase 53 Inbetriebnahme
- Statik und Konstruktion
- Fachbauleitung und Baustellenkontrollen
- Management of the wood production process
- including felling
- sawing
- drying
- and gluing of beech products.



Beech wood beams

#### Architekt

Blättler Dafflon Architekten AG  
8045 Zürich

#### Holzbauingenieur

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2800 Delémont

#### Auftraggeber

Makiol Wiederkehr AG  
5712 Beinwil am See