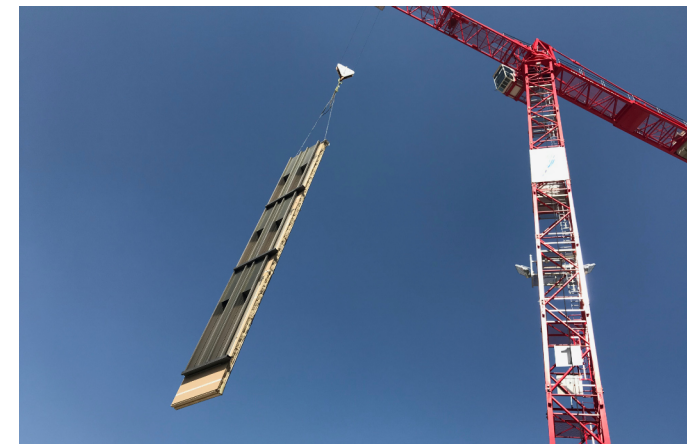


Renovation and extension

Research and office building HIF, ETH Zurich-Hönggerberg

STÜCHELI



The HIF research building (1976) is part of the largest building complex in Hönggerberg ETH Zurich and is used for research and teaching. An extensive renovation of the façade and the building was necessary to adapt the buildings for a 2000-Watt Society for decades to come.

An extension of the office and laboratory building on the same length of the existing test hall completes the existing spatial plan figure. With this placement of the building, the line of sight along the HIL-building was strengthened. The connection between the southwestern and northwestern part of campus is highlighted by the new route along the HIF-building. In consideration to a roof addition on the existing HIF-building are functional and organizational advantages in the extension of the existing building. In the new extension, contemporary laboratories are designed in a partial area office and at an optimum building grid. The existing laboratory and office building was mainly converted into offices. The work in the old building and the extension was optimally divided into stages.

In designing the façade, the HIL building was chosen as a reference in terms of volumetrics and colour. Despite the different building grid, the new laboratory building, the existing laboratory and office building read as one single building. The buildings are clad in a glazed facade protected by reclaimed cardboard (recycled cellulose with good gray energy balance) as a solar façade.

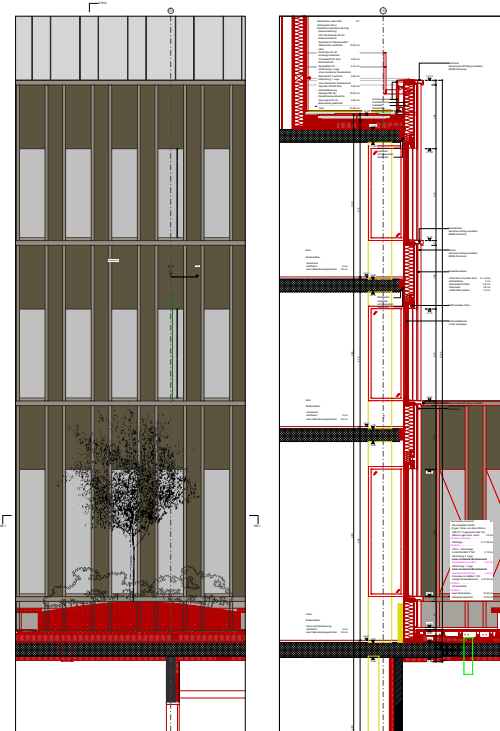
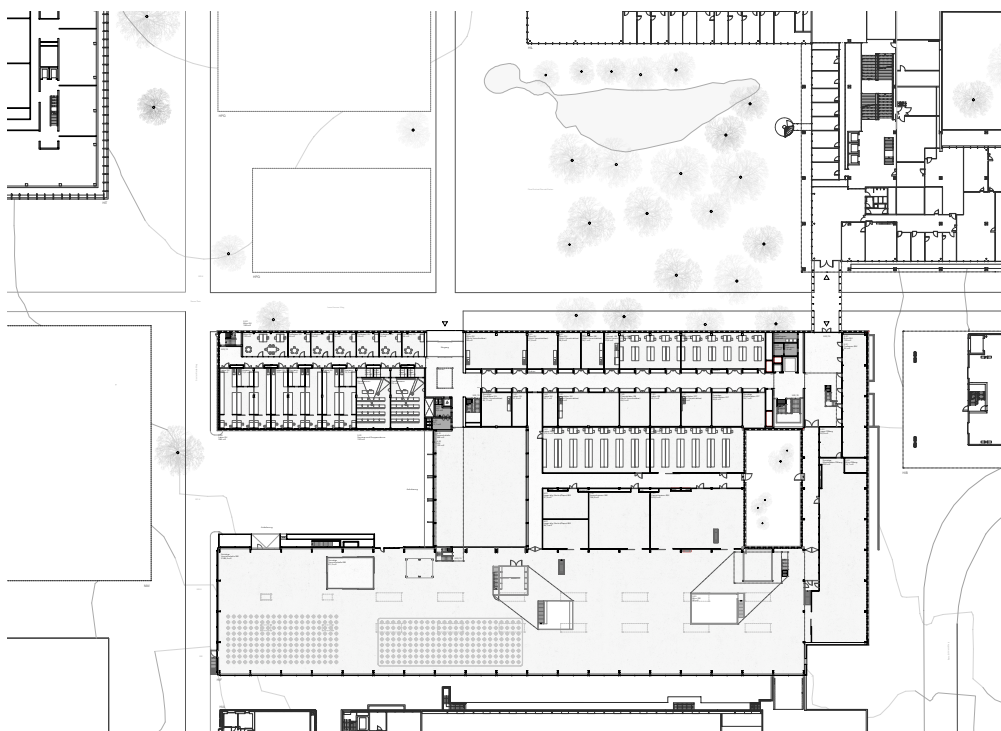


Image: Extension with main entrance

Plans: Cross-section of existing structure and extension, longitudinal cross-section of extension, floor plan of existing floor and extension

Type of commission: Competition, 1st prize

Client: ETH Zurich

Location: ETH Hönggerberg, Laura-Hezner-Weg, 8093 Zurich

Budget in CHF: 86 Mio.

Gross floor area: 28 400 m² (refurbishment), 6 000 m² (extension)

Planning phase: November 2015 – April 2021

Construction phase: August 2019 – December 2022

Sustainability label: Minergie Eco, SGNI, GI

Architecture / General Planner: Stücheli Architekten AG, Zurich

Construction Management: Ghisleni Partner AG, Zurich

Structural Engineering: APT Ingenieure GmbH, Zurich

HVAC Engineering: Polke, Ziege, von Moos AG, Zurich