

Complete renovation and extension

HIF research building, ETH Campus Hnggerberg, Zurich

STCHELI



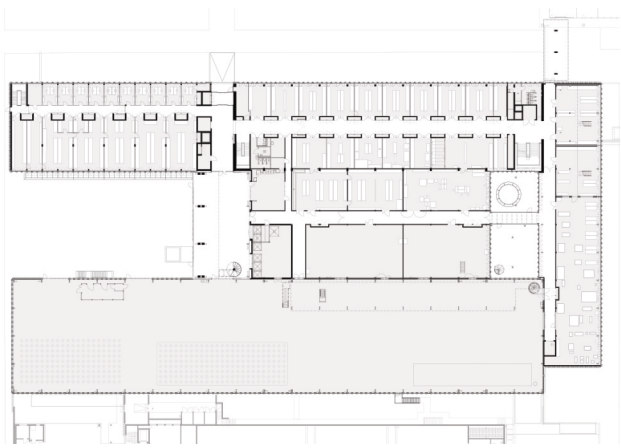
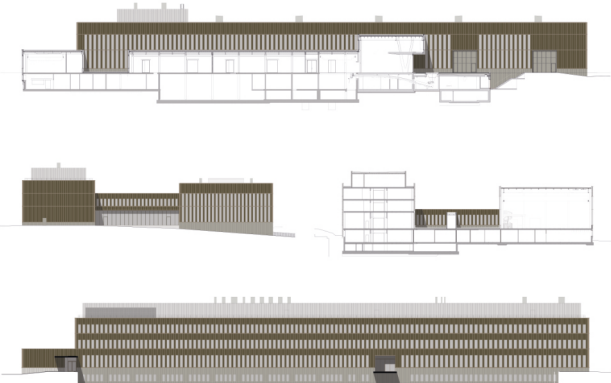
Pictures: HIF main entrance Laura-Hezner-Weg, construction hall, recreation room middle wing, corridor, laboratory extension
Photo Studio Willen

Plans: site plan, cross-sections and faade, first floor plan

The HIF research building (1976) is part of the largest building complex in Hnggerberg ETH Zurich and is used for research and teaching. An extensive renovation of the faade 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 faade, 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 faade.



Type of commission: Competition, 1st prize
Client: ETH Zurich
Location: ETH Hnggerberg, Laura-Hezner-Weg, 8093 Zurich
Budget in CHF: 86 Mio.
Gross floor area: 30 300 m² (refurbishment), 6 000 m² (extension)
Planning phase: November 2015 – April 2021
Construction phase: August 2019 – December 2023
Sustainability label: DGNB Platinum Certificate 2025, Minergie Eco

Architecture / General Planner: Stcheli Architekten AG, Zurich
Construction Management: Ghisleni Partner AG, Zurich
Structural Engineering: APT Ingenieure GmbH, Zurich
HVAC Engineering: Polke, Ziege, von Moos AG, Zurich