PROJECT REPORT

Bielefeld
Schüco One head office

Data and facts

Company	PORR Hochbau West GmbH
Type	Office buildings
Runtime	01.2019 - 08.2020
Principal	Schüco International KG

Project report online

www.porr.de

Extension to the company's head office

Extension with a gross floor area of 7,200 m²

The new building was constructed as a seven-storey structure approximately 30 m high. The gross floor area is approximately 7,200 m². The building accommodates 225 workstations as well as additional meeting, collaboration and conference spaces.

Connection to the existing building

A five-storey glass bridge connects the extension to the existing main building. This structural link integrates the new building into the existing campus and creates direct routes between the different parts of the building.

Certification schemes

The building was designed for simultaneous certification under LEED, BREEAM and DGNB. The requirements of these three assessment schemes were taken into account during the planning and construction phases.

Atrium and building structure

The central element of the building is an atrium that extends across all seven storeys. Flexible office, meeting and communication areas have been arranged around the atrium. The atrium's glass roof has been fitted with switchable glass elements that help to control the amount of daylight entering the building.

Facade and Energy Concept

The facade elements were developed specifically for this project. The facade sections vary in terms of transparency and the proportion of openings depending on the building's orientation. The building envelope forms part of the office building's energy and usage concept and contributes to the supply of daylight to the interior spaces.

Exposed Concrete Construction

Exposed concrete was used as the defining material for columns, walls and slabs. Specially developed board-formwork was used for the load-bearing internal core, enabling a design with minimal joints. The sloping exposed concrete columns as well as the exposed concrete slabs were constructed in accordance with the architectural formwork design.

Structural building construction

PORR Building Construction West was responsible for the structural building construction on the extension. This included the fabrication of the load-bearing reinforced concrete elements as well as the implementation of the building's structural requirements.

A basis for office and development use

Schüco One resulted in a seven-storey extension with a gross floor area of 7,200 m², 225 workstations and a five-storey connecting bridge to the existing building. The project comprises office, communication and conference spaces within the Schüco Campus in Bielefeld.

Impressions

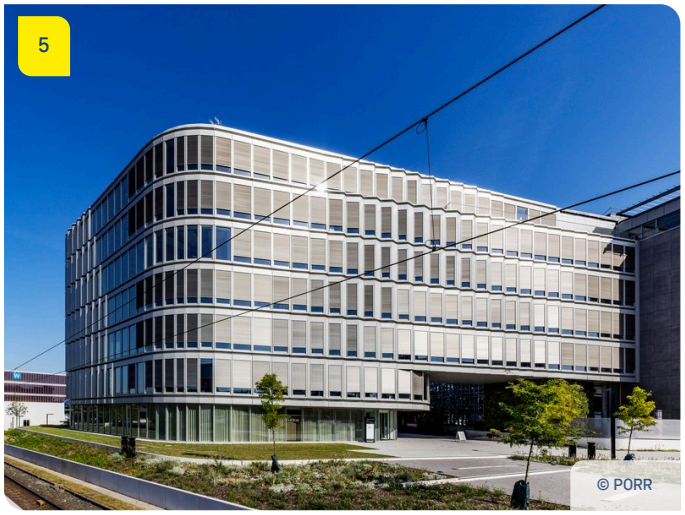

Image notes

1 Schüco One head office in Bielefeld

2 Schüco One head office in Bielefeld

The fully recyclable extension to the Schüco headquarters in Bielefeld is the only building in the world to be certified according to LEED, BREEAM and DGNB.

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3 **Schüco One head office in Bielefeld**

The new building offers space for 225 workstations.

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4 **Schüco One head office in Bielefeld**

Switchable glass in the glass roof ensures a glare-free, bright daylight environment.

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5 **Schüco One head office in Bielefeld**

The Gütersloh site constructed the shell for a 7-storey, 30 metre high extension to the Schüco headquarters in Bielefeld.

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Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

PORR GmbH & Co. KGaA
Walter-Gropius-Straße 23
80807 Munich
T +49 89 71001-0
E-Mail: info@porr.de