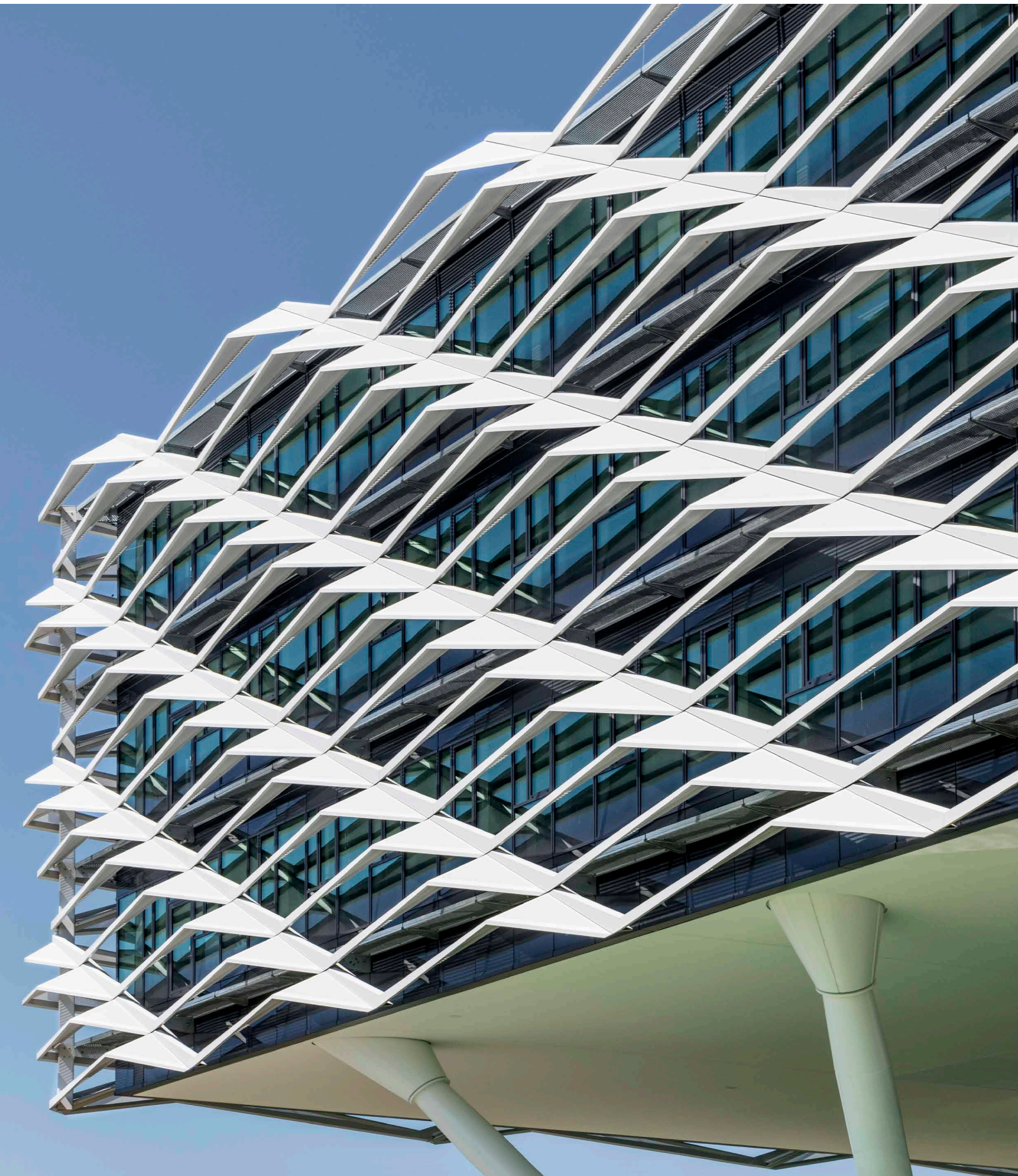
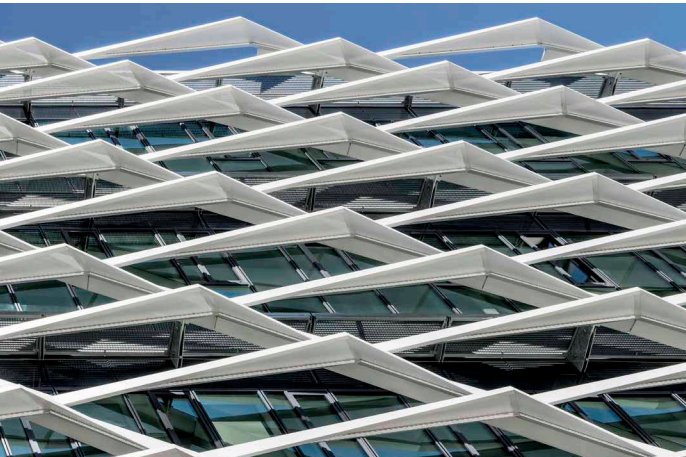


Arena WOS, Herzogenaurach





Customized external diagrid brise soleil and walkways

Architecture as dynamic as sports...

The headquarters of a global sports and fashion brand in Herzogenaurach, Germany, has extended their South Campus by two new buildings. This expansion is an important requirement for the company's continued growth. The new office building provides office space for more than 2,000 employees. There is an administrative building with an integrated restaurant for employees and another multi-storey car park.

The new 50,000 m² office building "Arena" is the main entrance of the World of Sports. Its sense of openness and lightness makes an extremely good connection to the dynamic world of sport.

To underline the architectural idea of a sculptural building and to provide it with ecological sustainability concerning optimal daylight and shade conditions, an external customized diagrid brise soleil construction has been designed that takes the façade direction into account. This is based on complex parameters and takes into consideration seasonally determined daylight.

Flooded with light from all directions clearly opens up the building highlighting the fact that the brand sees no external limits for itself apart from those it sets. The "Green Pavillion" offers space for about 5,000 people.

Employer:

Ed. Züblin AG

Planning Architect:

Behnisch Architekten

Façade Consultant:

KuB Fassadentechnik

Installation Time:

3 months for unitised curtain wall (watertight)

9 months entirely incl external diagrid brise soleil and walkways

Extent of Work:

Design, production, delivery and installation of the façade types and constructions mentioned below.

Façade Area & Quantity:

14,400 m² unitised curtain wall

7,680 m² external diagrid brise soleil

2,060 m maintenance walkways

Glass:

Glass build up: 2 x 4 mm laminated float / 16 mm cavity / 5 mm float / 14 mm cavity / 1 x 4 mm laminated float with 1 x 4 mm strengthened

L_T-value: ≥ 53 %

Solarfactor (g-value): ≤ 25 %

U_g-value: ≤ 0,6 W/(m²K)

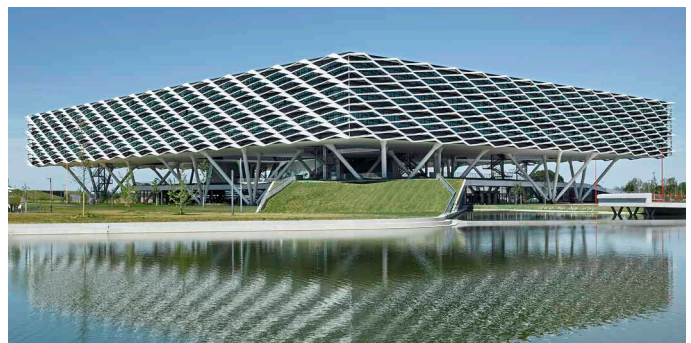
Sun coating: Guardian SNX 60/28

Surfaces:

Polyester powder coated (PPC), colours RAL9016 matt (inside), RAL7015 (outside, casement infills), Pearly Haze (brise soleils)

Façade Handover:

2018



Total view