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THE NEXT GENERATION GLASSHOUSES



FLORA RESEARCH IN BOTANICAL GREENHOUSE FOR CAMPUS RIEDBERG

- ▶ **Location:** Frankfurt, Germany
- ▶ **Opening:** 2012
- ▶ **Surface:** 1,400 m²
- ▶ **Architect:** Königs Architekten
- ▶ **Design:** Three differently shaped 'arches', with a maximum height of 14 meters
- ▶ **Assignment** Construction of a special greenhouse for research



The right *climate* for better research

For the Goethe University in Frankfurt a research centre of 1,400 m² was built. The greenhouse is used for cultivation, maintenance and presentation of plants, which are provided for research and teaching in the biosciences of the Goethe University. This eye-catching glasshouse uses state-of-the-art climate-conditioning and energy systems, so that any required climate can be created in each individual space for planting examination of the Faculty of Biology.

The ultra-modern greenhouse makes use of “Weiss” glass, this is a high insulation vacuum panel which is UV permeable and also has a high light output. In this situation plants can grow optimally. The house consists of three arches; each arch has a different size. The highest point is 11 meters and the length of the greenhouse is 45 meters. In this situation plants can grow optimally. This greenhouse consists of three arches; each arch has a different size.

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