

# AllesWirdGut

## *356.EBS – Electronic Based Systems Center / Graz (AT)*

*BIM is magical*

The new building of the EBS Center on the Graz University of Technology's Inffeld grounds marks a kind of starting and end point. As a figurative punctuation mark, the built volume was articulated as a free-standing complex. The Center's distinctive six-story east-side façade provides the urban front facing the campus. Gradated building heights descending toward plinth level make for a gentle transition to the surrounding green areas and the small-scale built neighborhood. The complex is structured into lab and research facilities, and above them, a block building used for offices. Its compact internal core with a stairwell and adjacent side rooms makes for short distances. Informal meeting booths offer privacy and add to the circulation areas. While the office spaces on the upper floors are organized in a U-shape around the building core, the communication zones are conceived as an expansion of the internal circulation areas and oriented toward the green vegetation outside. In the EBS Center, AllesWirdGut broke new ground in terms of planning. For this was the first time that a project was developed as an Open BIM project with involvement of all specialist planners from the very start. In this way, an exceptionally detailed plan was available already at an early project stage. Period. Exclamation point!

With the Electronic Based Systems Center, Graz University of Technology – TU Graz – breaks new ground in technology transfer and runs a research & innovation center in the sphere of sensor technology and microelectronics. Half of the building is preferentially dedicated to university start-ups as well as to small and medium enterprises. The other half is used by the TU Graz Faculty of Electrical and Information Engineering with special focus on the research fields electronics, sensor technology, and microwave and photonic engineering. Additionally, a maker space for companies, researchers and students is located in the EBS Center. For the first time, TU Graz, the Austrian Province of Styria and BIG, the Federal Authority for Public Real-estate, commonly engage in the establishment of a building. Research co-operations with the industry as well as technology transfer in the future field microelectronics can be concentrated in one location on university campus. The EBS Center is therefore supported with public funds from European Union (EFRE) and from the Province of Styria.

### **Projectdata**

Architecture: Generalplaner ARGE AllesWirdGut / FCP

Project Stages: 1–7 (GP)

Client: BIG, Bundesimmobiliengesellschaft m. b. H

Competition: Jan. 2015—1st Prize

Completion: 02.2020

GFA: 5,422 sqm

AllesWirdGut competition team: Ondrej Stehlik, Michal Stehlik

AllesWirdGut planning team: Agron Deralla (BIM-Manager), Johannes Windbichler, Katarína Malinaričová, Mehmed Köklü, Paul Csamay, Stephan Lechner

Structural engineering: FCP – Fritsch, Chiari & Partner ZT

Structural physics/ fire protection: DI Ianko Ivanov

Building services: GAWAPLAN

Electrical engineering: Kubik Project Ges.m.b.H.

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Illustration: AllesWirdGut

Photos: tschinkersten fotografie, 2020

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