

## PRESS RELEASE

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### Building permit issued for the construction of the world's first carbon reinforced concrete building

"The building permit has been granted!" - said Manfred Curbach, the constructor of the world's first carbon reinforced concrete building and director of the Institute of Concrete Structures at the Technische Universität Dresden, pleased. "Obtaining this building permit is an important step on the way to constructing the first building made entirely from carbon reinforced concrete." The state capital of Dresden issued the necessary building permit a few days ago. The construction work can now begin.

By the end of 2020, a building with an unusual design and futuristic appearance will be erected on the street named after the most famous scientist of modern times – Street Einstein (Einsteinstraße): A 220 m<sup>2</sup> experimental building, which will also serve as a test facility. The building, originally planned as a CUBE, will gain architectural momentum. Two twist elements, symmetrically arranged opposite each other, simultaneously form the lateral and upper room closure and illustrate the extraordinary range of applications of the carbon reinforced concrete design. The box in turn illustrates that conventional structural engineering structures can already be constructed with carbon reinforced concrete according to the state of the art.

The world's first building made of carbon reinforced concrete is the lighthouse project of the C<sup>3</sup> - Carbon Concrete Composite project financed by the Federal Ministry of Education and Research. The CUBE bundles the results that have been intensively researched in this project since 2014. The partners involved in this construction project include the companies AIB GmbH, Assmann Beraten & Planen GmbH, Betonwerk Oschatz GmbH, Hoch- und Tiefbau GmbH & Co. KG Sebnitz, Henn GmbH as well as texton e. V., HTWK Leipzig and TU Dresden

[Pictures of the world's first building made of carbon reinforced concrete \(Credits:](#)

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