



Ambitious example projects are needed to establish climate and resource-friendly construction methods. The construction sector plays a crucial role in climate protection. According to the German government's resolution, net zero greenhouse gas emissions are to be achieved by 2045. How can we achieve this? By preserving existing buildings, adding storeys, extending, repurposing and energy-efficient refurbishment.

One project that embodies these principles is the Atelier Gardens in Berlin-Tempelhof. Here, a large contiguous, partially listed building is being reprogrammed from a pure film production facility to a campus for cultural uses and social entrepreneurship. A commercial site is being transformed into a pleasant place to work and live that is moving closer to the city. The architecture combines diverse themes such as preservation, densification, conversion and the sponge city principle in an adaptable, gradual development.

Advanced methods are being tested in the Hufelandstrasse extension project: in-depth digitalization allows for an accompanying life cycle assessment and a transparent material flow. Separable component layers and the consideration of long-term changes in use make this project circular and sustainable.

The Ahorngarten shows how existing buildings can be sustainably developed through conversion, extension and modernization. Maintaining the load-bearing structure saves gray energy, while integration into larger material cycles with Concular ensures holistic sustainability.

All of these processes can be scaled up and enable the necessary climate protection in the

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