

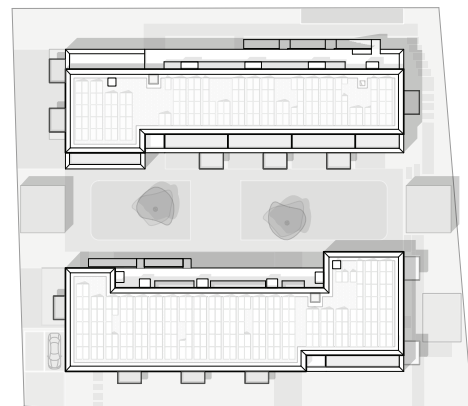
Climate positive living in Berlin

New residential buildings as hybrid construction with wooden facade in Berlin, Germany
2021



Facade Garden house, Photo: Dietmar Gust

Location	Schleizer Straße 61–63 D-13055 Berlin Lichtenberg Germany
Client	KlimaGut Immobilien AG
Structural Engineer	Ingenieurbüro Marzahn & Rentzsch, Berlin
Services Engineer	Planungsbüro Dernbach GmbH, Berlin
Fire protection	IABU-Prenzel&Partner GmbH, Berlin
Energy consultant	Caala GmbH, München
Brief	2 climate positive residential buildings with 42 apartments including landscape and outdoor facilities
Scope of service	Preliminary design, final design, building permit application and approval documents, execution documents, tendering, according HOAI phase 1 to 7
Size	Site: 2,784 qm Buildings GFA: 4,314 qm
Duration	2016 – 2020
Completion	2021
Certification	TÜV Nord – Net zero emission building
Awards	Klimaschutzpartner Berlin 2021 Winner of category „Successfully realised project“



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Community yard with garden house, Photo: Dietmar Gust

Two new buildings with a total length of 42.52 m. Each will be built on the rectangular plot facing the Schleizer Straße in Berlin.

The street house is planned with 4 full floors. On the ground floor there are a cluster apartment as assisted living and on the upper floors apartments.

The garden house has 3 full floors and a step back roof floor only for apartments.

A total of 42 rental apartments with 1 to 5

rooms will be built. Access to all apartments is barrier-free. 9 apartments of them additional are wheelchair accessible.

The two buildings are built in a hybrid construction of concrete and wood as a net zero emission building. The main supporting structure of the ceilings, walls and columns are made from concrete, bricks and precast concrete elements.

The outer facades are made of prefabricated wooden frame elements covered with

wooden planking in the upper floors. The window elements are made with wooden frame, three layer glazing, with external sun protection and railing.

The two buildings operate climate-positive through the use of biogas for heat and power including solar energy from the photovoltaic systems on the roofs.

The residential houses were certified by German TÜV Nord as net zero emission buildings.



View from the street and access balcony, Photos: Matthias Matschewski

