

Fact sheet

Project dates	<ul style="list-style-type: none"> • The idea for the KREIS-Haus originated back in 2013 as part of Devi Bühler's bachelor's thesis at the Institute of Natural Resource Sciences. Devi Bühler is the initiator and project manager of the KREIS-Haus. • The current ZHAW research project runs from 1 January 2020 to 31 December 2022. • The KREIS-Haus was built within 4 months from May to August 2021. The house was inaugurated in on the 3rd and 4th of September 2021. • The model house with an area of approx. 40 m² will stand for at least 5 years. It has received a temporary exemption building permit for 5 years from the municipality of Hombrechtikon.
Cost	<ul style="list-style-type: none"> • The construction costs of the KREIS-Haus amount to approx. CHF 700'000.- including material costs and labour. • If the house were to be reproduced in this form, it could be built about a third cheaper, since the development costs would be eliminated. • The components that were newly purchased are all high-quality products. In part, there are also cheaper alternatives that do not reach the same standard but can still be used in terms of cost reduction. This could save another CHF 100'000.-. Your own KREIS-Haus would therefore be available from approx. CHF 370'000.- (without land costs). The KREIS-Haus is a modular construction. This means that also individual parts and aspects of it can be used for other projects. • The accompanying research project (without building costs) amounts to CHF 200'000.-
Financing	<ul style="list-style-type: none"> • Approx. 70% of the construction costs were financed by over 50 sponsors for materials and skilled labour. • Another part of the construction costs (approx. CHF 30'000.-) was financed through a crowdfunding. • Furthermore, the entire project is financed by grants from various foundations, as well as the own contributions of ZHAW and Synergy Village.
Research & Education	<p>The following educational and research activities are conducted as part of the project:</p> <ul style="list-style-type: none"> • Public tours and individual group tours • Thematic workshops • Test living by visitors for two or four nights • Yearly open house day • Construction consultancy by the project team • Scientific survey, analysis of user feedback • Technical monitoring, analysis and further development of the installed technologies

01.03.2022