The studio will address the design of a house that achieves carbon emissions standards conforming to those of Snøhetta’s ZEB Pilot House. Workshops & lectures will be given by Snøhetta staff and partners as well as by Hegli & Collins.

Snøhetta is an active partner within ZEB (The Research Center on Zero Emission Buildings). The ZEB Pilot House was a cooperation between Snøhetta, SINTEF (Scandinavia’s largest independent research body), ZEB partner Brødrene Dahl, and Optimera.

The project will involve the design of a single-family house that can be used as a demonstration platform to facilitate learning on the design and construction methods for residential buildings incorporating integrated sustainable design solutions.

To achieve a ZEB classification, the studio project will be required to document and verify 100% CO₂ emissions offsets for operations and materials. Operational emissions resulting from energy generated using fossil fuels will be offset through renewable energy production such as solar PV and solar thermal systems. Material emissions resulting from the production of products used in the construction will be carefully considered, and this represents a new direction toward a more sustainable construction industry.

ZEB house

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