

Chris van Uffelen

ECO Living



BRAUN



↑ | Back rear, at dusk
→ | Detail, window in roof

House of the Future

Regensburg

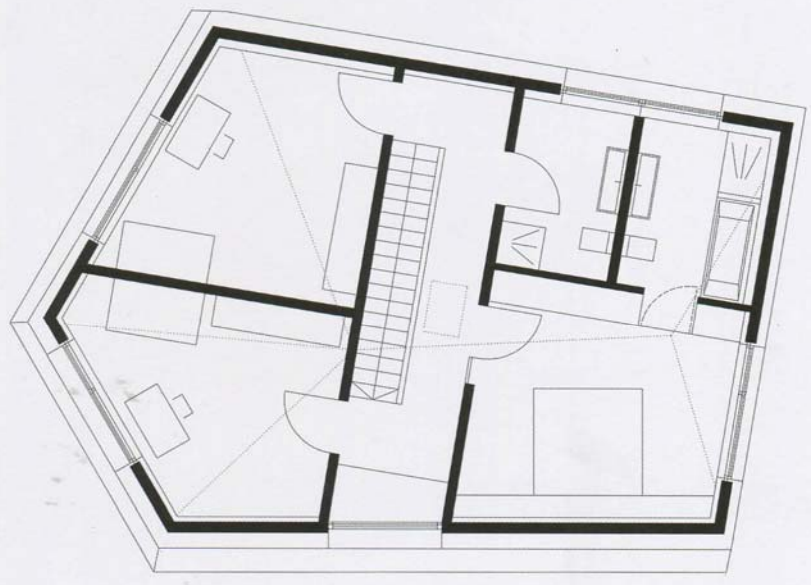
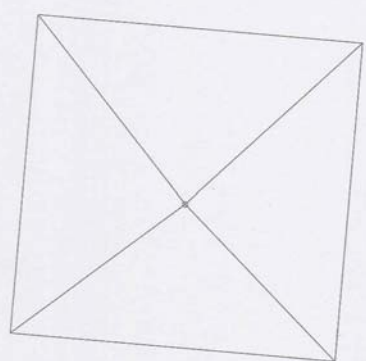
This home had to adapt to the desires of the residents, it had to provide highest comfort and be a place of recovery as well as providing a balance to the hectic outside world. The home had to integrate building technology and architectural construction and be as sustainable as possible by producing its own energy. The building is shaped like a crystal and the slope of the walls and roof enable optimal use of solar energy. Solar thermal and photovoltaic spaces alternate with anthracite colored cemented fiber panels. The whole building is barrier-free and the south façade of the main living areas on ground floor have been completely glazed.

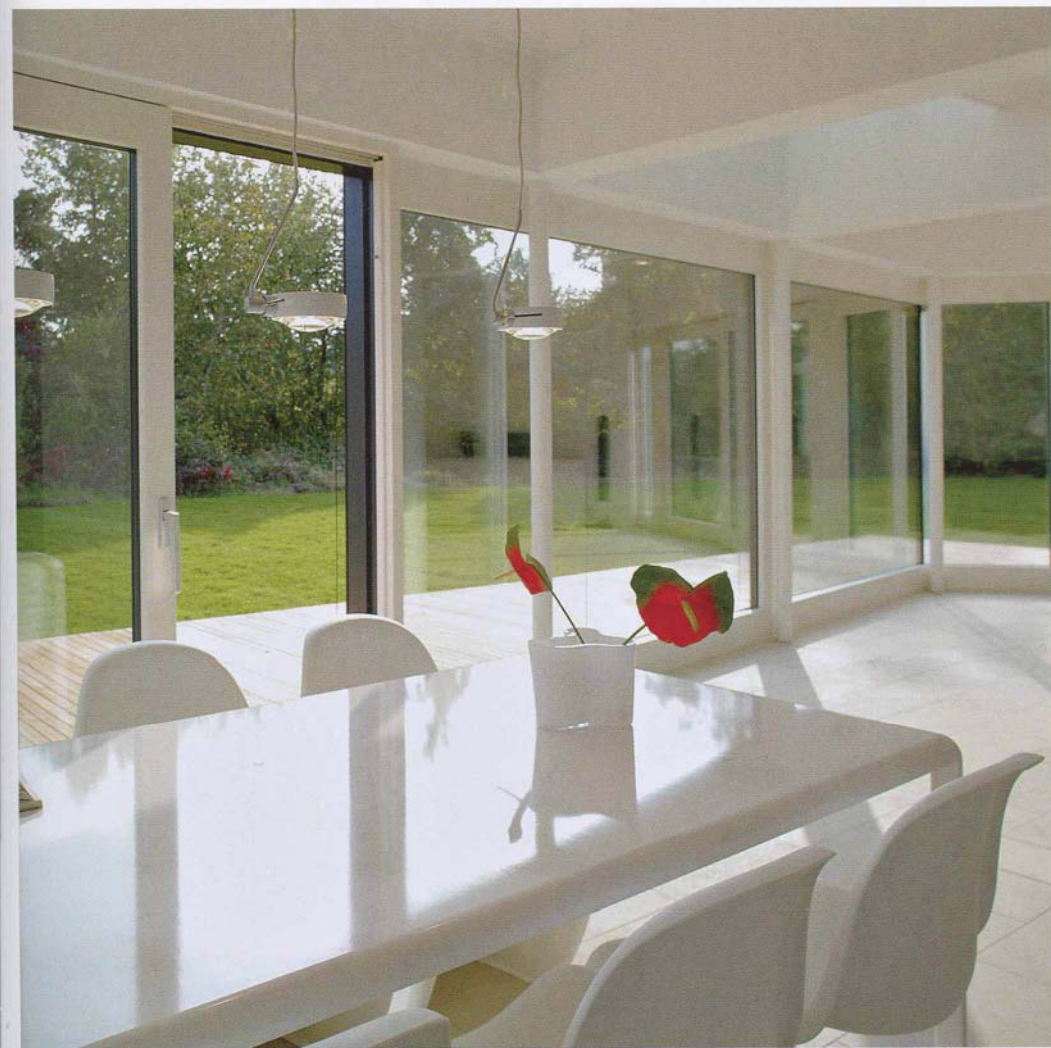
Address: Rennweg 59, 93049 Regensburg, Germany. **Eco engineers:** ISE Fraunhofer Institut Freiburg. **Client:** Sonnenkraft Deutschland GmbH. **Completion:** 2009. **Ecological aspects:** solar energy, consumption 22 kWh/m²a, 91% recovery; transmission heat loss 0.3 W/m²K; air tightness n₅₀=0.45/h; triple glazing, climate façade; heat pumps; 94% heat recovery; rainwater collection; genuine dismantlable and recyclable materials; FSC wood; degree of sealing: 21%. **Certificates/standards:** plus energy house.





↑ | Access from street
← | First floor plan





← | Interior view
↓ | Detail, windows

