



ECONOMIC

Costs range from 1,500-2,000 € per m² – affordable for most home owners, especially when lower utility bills are taken into account.



SOCIAL

Upon completion, the houses were opened to the public for tours and information-sharing. An estimated 20,000 people visited the six sites.



ENVIRONMENTAL

The Model Homes are energy self-sufficient, based on renewable sources.



DENMARK

UNITED KINGDOM

GERMANY

AUSTRIA

FRANCE

TESTING THE LIVABILITY OF TOMORROW'S HOMES

→ Tested in real life, by real people – and with an audience. Six demonstration homes built throughout Europe are zero-carbon structures, utilizing renewable energy and based on principles ensuring a healthy indoor climate and environment.

THE SOLUTION

! Initiated by VELUX, the project aims to tackle the challenges facing sustainable construction. The buildings are optimized to eliminate energy consumption for cooling in the summer, to capture passive solar heat gains in colder months, and to benefit from natural daylight year round. Control factors for energy performance are “intelligent”: ventilation, windows, and other systems are integrated.

Families are living in and testing the homes. Researchers study the families' living habits, assessing how the homes measure up in livability.

WHY A SUSTAINIA100 SOLUTION?

? In the EU, residents spend 90% of their time indoors, in buildings that account for 40% of total energy consumption. Up to 30% of the building stock does not contribute to a healthy indoor climate, according to the WHO. The Model Home 2020 seeks to tackle these challenges in one holistic approach. The project provides solutions and ideas that can be implemented by others. Homes are tested in a variety of climates, to prepare solutions for different climate challenges.

www.velux.com/modelhome2020



Photos: Adam Mørk