

Green Lighthouse

VELUX[®]
MODEL HOME 2020

VELUX has launched its own vision for the future's sustainable housing with the Model Home 2020 concept.

The aim is to develop a climate-neutral building with optimum indoor climate, fresh air and natural daylight. Green Lighthouse is one of six houses to be built in Europe as part of the Model Home 2020 project. Each house is an experiment that reflects and caters for various challenges in terms of climate, architecture, daylight and renewable energy.



The University of Copenhagen/Building Services City Campus, the Municipality of Copenhagen, VELUX and VELFAC have entered a strategic alliance to construct a new sustainable building with optimal balance between energy efficiency, architectural quality, healthy indoor climate and good daylight conditions. This will be achieved through sustainable and innovative approaches to building design. The building is expected to be ready by mid-2009 and will have facilities for the dean, professors and students of the Department of Science Education at the University of Copenhagen.

The partners want the project to become a lighthouse for sustainable building in Copenhagen, Denmark and the rest of Europe. So the Green Lighthouse, as it is known, is intended to be a showpiece for the UN Climate Change Summit COP 15 to be held in late 2009 in Copenhagen.

The project has been commissioned in a turnkey contract competition in which the energy concept and the architectural design were the main criteria. The winning consortium, consisting of Christensen & Co. Arkitekter (architects), COWI (engineers) and Hellerup Byg (contractor).

The building will have a round ground plan with a central, daylit atrium, and contain 950 m² in three storeys.

