

Green buildings & 'smart' homes

Energy efficiency and the use of intelligent monitoring in both private and public housing is expected to grow extensively on a global scale within the next few years. The Danish market for these solutions already exists and holds great potential for foreign companies.

Copenhagen has a long tradition of energy-efficient construction based on a continuous revision of building regulations, relatively high energy prices and its relatively temperate climate. Denmark has pioneered a systematic method of energy labelling for buildings, which takes into account the total energy consumption of a building over its entire life span and not just the construction itself.

FLAGSHIP BUILDING: GREEN LIGHT HOUSE

The University of Copenhagen now collaborates with leading producers of green building technology: VELUX, VELFAC, the Danish University Property Agency and the City of Copenhagen, in building the 'climate- friendly house of the future'.

FLAGSHIP PROJECT: NORDHAVNEN

Nordhavnen is Scandinavia's largest sustainable urban area under construction. The goal is to integrate sustainability into the entire construction of the area. The area is to be developed over a long period with a completion date set for 2040. The zero emissions initiative presents various business opportunities for foreign companies; from architectural labs, to construction companies and producers of 'smart' building technologies for the 40,000 residents and 40,000 staff in businesses in Nordhavnen.

www.nordhavnen.dk

LEADING THE MARKET FOR SUSTAINABILITY

Copenhagen is a leader in sustainable city planning. For foreign companies, Copenhagen provides a unique environment in which architecture and engineering companies can be part of new projects.

"Over the past 25 years Denmark has registered almost 80 percent of accumulated economic growth - with almost no increase in our total energy consumption - making Denmark one of the most energy efficient countries in the World"

Connie Hedegaard,
Danish Minister for Climate and Energy



USEFUL RESOURCES

VELUX (windows), www.velux.com
 Danfoss (thermostats), www.danfoss.com
 Grundfos (heat pumps), www.grundfos.com
 Rockwool (insulation), www.rockwool.com
 Danish Architecture Centre, www.dac.dk
 BIG Architects, www.big.dk
 Gehl Architects, www.gehlarchitects.com
 3XN Architects, www.3xn.dk