

**Fact sheet**

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## Stenlose South: Europe's largest low energy area

### Facts

Stenlose South comprises 750 buildings spread over 76 hectares making it Europe's largest low energy area. The area contains both single-family houses, residential buildings for senior citizens, social housing, apartments, terraced houses and a day care facility.

### Requirements for the buildings

- Energy consumption for heating must not exceed 34 kWh/m<sup>2</sup>, but a maximum of 15 kWh is recommended.
- Rainwater is required to be used for toilet flushing and washing.
- PVC and pressure-creosoted wood must be avoided as building materials.

### Savings

- Together these buildings alone enable energy savings of 3.6 million kWh per year corresponding to a reduction in CO<sub>2</sub> emissions of 630 tonnes or the equivalent of 400,000 litres of oil.
- With an average lifespan of 30 years, all the buildings in Stenlose South will save 100 million kWh.
- The additional energy savings that Egedal Municipality has decided to demand for future buildings, will bring the total savings up to 2 million kWh per year by 2009.

Compared to conventional buildings, the area also saves:

- 22,000 cubic metres of water per year.
- 58 tonnes of PVC.
- 200 tonnes of pressure-creosoted wood.

### Status and time span

The project began in 2004 and so far 320 (April 2009) buildings are already built and inhabited. The last buildings are set to be completed by 2012 and the plan is to equip all the remaining buildings with 3 m<sup>2</sup> of solar panels.

### The Rockwool Award

Stenlose South won The Rockwool Award 2007. The prize was DKK 100,000 and it was decided by Egedal Municipality to set the money aside for study trips to other countries in order to get first-hand experience on the newest initiatives within energy saving projects.