Energiakademi

Samso Energy Academy

Tourists travelling to Samso next year will discover a new attraction near Ballen Harbour: Samsos new Energy Academy.The Academy will collect together the knowledge Samsoe has acquired through renewable energy projects from wind turbines and straw-based district heating schemes to rapeseed oil and solar collectors. Here in the Academy, researchers from Danish and foreign schools and universities will be able to study renewable energy. The inspiration will lie just outside their door: wind turbines, solar collectors and district heating based on straw.

At he same time the academy will act as a conference centre where companies, researchers and politicians can discuss renewable energy, energy saving and new technologies.

Samso Energy Office plans to move to the Academy and continue its present activities as energy adviser for companies and householders, energy tourism, workshops and seminars.

Also for tourists!

Throughout the summer the Academy will serve as an experimentarium and showroom for tourists and other energy enthusiasts.

Here it will be possible to experience hands-on contact with different forms of energy in the recently established experimentarium. You could for example build your own hydrogen car, wind turbine or mini solar cell.

Samso - Denmark´s Renewable Energy Island - www.veo.dk

The experimentarium will also function as a goal for excursions for children with an interest in renewable energy from summer camps and school classes.

More than a thousand politicians, ambassadors, civil servants, researchers, school classes and members of the public from Denmark and other countries visit the Renewable Energy Island each year. The Academy will be the new home for Samsoe´s energy organisations and an obvious destination for Danish and overseas energy tourists

The Building

The Energy Academy will be built according to the principles used in ecological building. It will have a healthy indoor environment with natural ventilation at workplaces and within large rooms. The water consumption will be minimalised and rainwater will be used for toilet flush. A high level of insulation and energy glazing will ensure a low energy consumption and the Academy will be connected to the local straw-fired district heating scheme. Solar collectors will supply the Academy with hot water and will be used to demonstrate solar heating for visitors.

Low energy electrical appliances and lighting will be used throughout the building. Windows in the building are designed to optimise lighting conditions. Solar cells on the roof and local wind turbines will supply the building with electricity.