



VINDBY

Energy & Engineering

Vindby designs equipment for Energy center

When teachers take students to the nature in Natural Sciences, or measures and weighs things in the school courtyard, the students learn more than if they are in the classroom. The establishment of the Energy Center "Inspiration and Learning", is a good way to go, in order to strengthen children and youth interest in learning about the power production from renewable energy sources.

The Energy Center is built in the school courtyard at Egebjerg School. The school courtyard is split up with a separate energy playground. It consists of Energy Bikes, Energy Wheel and Energy Handles, and they are all producing power by using generators. Some of the equipment is established underneath a roof with solar cells.

In the middle of the courtyard is a wind turbine which also produce power, and on the tower is mounted a wind gauge that detects wind strength. On all the devices, there are digital loggers which detects the amount of power produced on the given times. It's all connected to a control desk where data are collected, and afterwards exporting the data to spreadsheets for various graphs and statistics.

Facts about the project

"Inspiration and Learning", is about how to establish better opportunities for playing and education in the field of nature, natural phenomena and natural sciences.

Cooperation partner: LEIKA Denmark

