



VATTENFALL "NAESUDDEN III" DEMONSTRATION TURBINE – 2.5 MW

LOCATION	<i>Naesudden, Gotland, Sweden</i>
CUSTOMER	<i>Vattenfall</i>
UTILITY	<i>Vattenfall</i>
TOTAL POWER INSTALLED	<i>2.5 MW</i>
TURBINE TYPE	<i>KENERSYS K100, 85m hub height</i>
NUMBER OF TURBINES	<i>1</i>
DESCRIPTION OF THE PARK	<i>KENERSYS K100 demonstration turbine on the Vattenfall Test Center Naesudden</i>
COMMISSIONING DATE	<i>December 2009</i>
KENERSYS SERVICES	<i>Turn key solution including transport, erection and commissioning</i>

On the "Global Wind Day 2009" Vattenfall and KENERSYS inaugurated the wind turbine "Naesudden III" on Gotland – the utility's first pilot project with the manufacturer from Muenster, Germany.

To further the development and expansion of wind energy is one of the main objectives, according to Sven-Erik Thor, Head of Research and Development at Vattenfall Pan Europe. According to Thor, it is essential to secure Vattenfall's demand of turbines and at the same time proactively advance technological progress.

Gotland's Governor considered the turbine's inauguration as an important milestone for the future of wind energy on the Swedish island.

The K100 turbine with a rated power of 2.5MW, its rotor diameter of 100 meters and hub heights from 85 to 135 meters is designed for wind class II and III respectively and guarantees optimal profitability on sites with weaker wind conditions as well.

The KENERSYS turbine has been installed on the test area Naesudden, where Vattenfall tests innovative turbine technologies on large scale since the 80s. In 2010 the K100 was the best performing turbine at the site and is among the best performing turbines in the complete Vattenfall wind turbine fleet.

