

Dismantling of Vertical-Sky® turbine: already damaged rotor arm buckles. No personal injuries.

During dismantling of the Vertical Sky® prototype at the wind test field in Grevenbroich, an already damaged rotor arm snapped off and is now still hanging on the lattice tower of the turbine. The incident occurred after work was interrupted for safety reasons due to the rising wind. Accordingly, no persons were in danger at any time.

In the morning of Saturday, March, 25th, the existing damage to the prototype of Agile Wind Power's Vertical Sky® turbine at the wind test field in Grevenbroich, near Düsseldorf, was further increased. One of the three rotor arms could no longer withstand the loads at high wind speeds due to pre-damage and collapsed.

Due to the strong wind, no disassembly work took place. Accordingly, no one was injured and no persons were in danger at any time.

What happened?

The work to dismantle the damaged rotor parts has been in progress since last week and is being carried out in accordance with tested dismantling instructions. These instructions specify the wind conditions in which work may and may not be carried out. Agile Wind Power employees have complied with the instructions at all times. At the time of the incident, the turbine was parked in a designated position for disassembly, waiting for the wind to die down as predicted for Sunday. In today's stronger winds, the already pre-damaged arm buckled, crashing into the turbine's mast, but as far as can be seen, it was not damaged.

What happens next?

The dismantling of the damaged parts, which was planned as part of the dismantling work, is to be continued, but the employees' hands are tied: they are not allowed to approach the turbine at the moment, as it could be that the kinked arm breaks off completely.

Agile Wind Power is working on different concepts depending on how the situation develops on the prototype.

What is Vertical-Sky®?



Agile Wind Power AG, founded in 2010, offers with Vertical-Sky® a unique solution for on-site power generation by wind. The advantages of this slowly rotating wind turbine, such as almost noiseless movement and protection for birds, opens up a huge market potential.

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