

SKYSAILS POWER – AIRBORNE WIND ENERGY. FROM GERMANY TO THE WORLD.

BREAKTHROUGH IN AIRBORNE WIND ENERGY: WORLDWIDE FIRST VALIDATED PERFORMANCE CURVE

Hamburg, March 22, 2024 - Today, SkySails Power presented a significant milestone for airborne wind energy: the first externally verified power curve. SkySails thus becomes the first company worldwide to provide evidence of the performance and immense potential of the technology. State Council Rieckhof and State Secretary Knuth, who were present during the presentation of the power curve, emphasized the importance of innovative technologies for climate protection and the economy in Northern Germany.

The power curve was measured during the last weeks at the site in Klixbüll, Schleswig-Holstein, and depicts the net power that can be contributed to the power grid. Stephan Wrage, Founder and CEO of SkySails, officially received the verified report from the accredited company windtest grevenbroich gmbh, presented by Maria Sosnov, Group Leader of Prototyping & Testing at windtest grevenbroich gmbh, at the event. "Airborne wind is the world's largest renewable energy source. We at SkySails work persistently to harness this enormous resource and drive the energy transition forward. The verification by windtest grevenbroich gmbh officially proves the potential of our technology for the first time ever," said Stephan Wrage.

Andreas Rieckhof, State Council of the Ministry of Economics and Innovation in Hamburg, highlighted in his speech the importance of the metropolitan region for innovations in climate protection: "The metropolitan region of Hamburg has become a leading center of wind energy in Northern Europe over the past decade, enabling groundbreaking innovations such as the airborne wind energy systems by SkySails. Now, it is crucial to establish a legislative environment that reduces bureaucratic hurdles and paves the way for the rapid introduction of future-proof energy concepts like airborne wind energy. It is now necessary to create appropriate conditions that promote the widespread use of these technologies."

Joschka Knuth, State Secretary of the Ministry for Energy Transition, Climate Protection, Environment, and Nature in Schleswig-Holstein, mainly addressed the potential of the technology for climate protection in his speech: "In Schleswig-Holstein, it has been demonstrated: airborne wind energy works. It can provide climate-friendly energy in addition to the existing renewables in Germany and worldwide."

Stephan Wrage thanked Hamburg, Schleswig-Holstein, and the municipality of Klixbüll for their support and significant assistance, which have enabled the beginning of the "success story of airborne wind energy" as a driver of the energy transition from Northern Germany to the whole country and the world.

The subsequent panel discussion about "Airborne Wind Energy - Innovation for the Energy Transition" focused on the economic and ecological potentials as well as the necessary conditions. Andreas Richter, Head of Innovation and Cluster at the Department for Economy and Innovation, Hamburg, represented State Council Rieckhof in the debate. Discussions included the promotion of innovative energies to fill gaps in the existing system and the creation of a legislative environment that reduces bureaucratic barriers and accelerates the implementation of visionary energy solutions.

The airborne wind energy system consume fewer resources due to its compact design and facilitates the transport and installation of individual systems. Stephan Wrage commented: "The systems by SkySails Power weigh 90% less than comparable technologies and are not reliant on rare earths; hence, airborne wind energy will become one of the most cost-effective energy sources in the future."

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About SkySails Power GmbH:

SkySails Power GmbH develops and markets systems for generating electricity from high-altitude wind - so called airborne wind energy systems. With this technology, SkySails can utilize the yet untapped power of high-altitude wind for the first time. SkySails Power GmbH is a fully owned subsidiary of SkySails Group GmbH. SkySails Group GmbH and its subsidiaries are headquartered in Hamburg/Germany. The Group employs around 100 people and operates a production facility in Seevetal, Lower Saxony, as well as a pilot plant for high-altitude wind energy in Klixbüll, Schleswig-Holstein.

About windtest grevenbroich gmbh

Since 1996, windtest grevenbroich gmbh offers a wide range of services for the renewable energy sector, including measurements of power performance, loads, electrical characteristics and acoustic noise as well as site evaluations to establish site quality, wind, yield or shadow impact. The employees of windtest grevenbroich gmbh advise developers, project managers, banks and insurance companies, are active as technical consultants in standardization working groups, and play a leading role in international technical organizations such as MEASNET and IECRE. In the last 27 years, windtest grevenbroich gmbh has completed more than 7,600 projects worldwide and has a subsidiary in the USA since 2014.