SMALL WIND CERTIFICATION COUNCIL

NEWS RELEASE

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SWCC Certification Marks Milestone for Micro Wind Turbines

North America's and Europe's first certified micro wind turbine underscores ICC-ES' continued expansion of small wind offerings

Brea, CA – The ICC Small Wind Certification Council (ICC-SWCC), a program of ICC Evaluation Service (ICC-ES), has awarded certification to SkyWind Energy GmbH for its SkyWind NG wind turbine—the first micro wind turbine to earn certification through the program. The certification was completed to the ACP 101-1, 2021 Small Wind Turbine Standard, which was developed based on the 2013 IEC 61400-2 standard, and underscores the standard's relevance in today's evolving distributed wind market in both North America and Europe.

SkyWind Energy GmbH, based in Germany, manufactures the SkyWind NG wind turbine using its all-metal rotor technology, first developed in 2009. The company now supplies thousands of micro wind systems annually, supporting the expansion of distributed wind energy across residential and commercial markets worldwide.

SkyWind NG turbines installed on a residential roof near Hamburg (Germany). Photo Credit: SkyWind Energy

SkyWind NG turbine on a ski lodge in the Andes mountains (Argentina). Photo Credit: SkyWind Energy

The SkyWind NG turbine was awarded SWCC certification SWCC 23-07. It is a two-bladed horizontal-axis wind turbine with a rotor diameter of 1.5 meters (approximately 4.9 feet) and a measured peak power output of 0.609 kW in its standard configuration. Its patented all-metal rotor (*Patent No. US20120177502A1*) is robust, while the two-blade design simplifies the installation process and enables precise rotor balancing.

“Certification through ICC-SWCC provides independent verification of a turbine’s safety and performance,” said Isai Ayala, Technical Lead at ICC-SWCC. “We’re pleased to recognize SkyWind Energy GmbH for achieving this important milestone and expanding certified options in the micro wind category.”

“Achieving SWCC certification is a significant step for SkyWind,” said Fritz Unger, CEO at SkyWind Energy GmbH. “It reinforces our commitment to rigorous testing and international quality standards, and ensures our customers can trust in the performance and longevity of our turbines.”

Micro wind turbines—typically defined as small-scale turbines up to 1 kW—like the SkyWind NG, are increasingly used in residential, off-grid, or low-power applications where larger turbines are not practical. Certification provides third-party verification of safety and performance, supports eligibility for incentives, and offers added assurance to consumers and installers.

For more information about ICC-SWCC certifications, visit: www.smallwindcertification.org

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About ICC-SWCC

The Small Wind Certification Council (ICC-SWCC), a program of ICC Evaluation Service, is ISO 17065 accredited to certify small and medium wind turbines that meet or exceed the requirements of specified standards. Designed to promote consumer confidence and mainstream acceptance of small and medium wind technology, ICC-SWCC certification standardizes North American reporting of turbine performance.

About ICC-ES

ICC-ES is the leading evaluation service for innovative building materials, components and systems. ICC-ES Evaluation Reports (ESRs), Building Product Listings and PMG Listings provide evidence that products and systems meet requirements of codes and technical standards worldwide, including the US, Canada, Australia, New Zealand, and the MENA region. ICC-ES is a member of the ICC family of solutions.