

Press Release

WindGuard Certification develops FRT-Container for Korean grid

Memorandum of Understanding to develop a 12 MVA FRT-Container with manufacturer Plaspo

Varel, 2019-11-13: Last week, WindGuard Certification GmbH signed a MoU with South Korean power converter manufacturer Plaspo. Both companies will work together on the development and construction of a measurement container for Fault-ride-through (FRT) tests. The MoU signifies the start of a comprehensive campaign by the South Korean government to optimize its grid infrastructure and expand their use of renewable energies. The campaign includes the enforcement of more rigid grid codes and the implementation of obligatory measurements and certification. WindGuard Certification and Plaspo will supply the necessary measurement equipment.

In the last two years, WindGuard Certification has successfully delivered three units of its new generation of FRT test containers. „The USP of our containers – like its compact build, the simple and safe appliance as well as the reduces loads on the public grid during testing – apparently appeal to customers outside of Europe as well”, says Damian Slowinski, head of WindGuard Certification’s test laboratory, “We are happy to support Plaspo with our expertise in developing and building the first FRT-container for the South Korean 33kV grid.”

FRT containers simulate artificial fault conditions at grid connection points. They are used to prove capabilities of grid stabilization of a wind turbine and its adherence to the medium voltage grid guidelines. WindGuard Certification’s FRT-Container can simulate over voltage as well as voltage drops in medium voltage grids according to the current FGW TR 3 and IEC61400-21-1.

Publication and redistribution free of charge; a copy exemplar to WindGuard Certification is kindly requested. For more information, please visit our homepage: www.windguard-certification.de

About WindGuard Certification

WindGuard Certification is a certification body for wind turbines and other renewable energies. It prepares type certificates for onshore and offshore wind turbines and their components and develops solutions for all issues relating to the grid stability of energy systems. Included are unit and plant certificates, as well as calculations to energy injection management. Furthermore, the BSH recognizes WindGuard Certification for offshore certification. To date, around 225 certificates for a total connected effective power of 1500 MW have been issued. In addition to the certification body accredited by DIN EN ISO/IEC 17065, WindGuard Certification operates an accredited test laboratory in accordance with DIN EN ISO / IEC 17065. Accredited are the measurements according to FGW TR 3, IEC 61400-21, Measnet, VDE 0214-100 and DIN EN 61000-4-30 and CEI 0-16.

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Certification

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Oh Jung. Kwon, CEO of Plaspo CO. Ltd and Damian Slowinski, Head of Testing at WindGuard Certification GmbH, sign the MoU



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