

Siemens Energy certifies PFISTERER's pluggable connection system for environmentally friendly 420 kV Clean Air application

Winterbach, Germany – 06 February 2024 – The CONNEX pluggable connection system from PFISTERER has been successfully certified by Siemens Energy for use in 420 kV Clean Air switchgears. PFISTERER is the first manufacturer to be certified for this application and is thus making an important contribution to environmentally friendly energy transmission.

Clean Air is an environmentally friendly, non-polluting insulating medium as an alternative to the well-known insulating gas sulphur hexafluoride (SF₆). Clean Air consists solely of natural components of ambient air, such as oxygen and nitrogen. The use of Clean Air is intended to help minimise the environmental effects of electrical switchgears. PFISTERER's Connex product family is the first pluggable connection technology for switchgear to be certified by Siemens Energy for 420 kV Clean Air applications. The socket forming the interface with the switchgear successfully passed the dielectric type test with Clean Air according to IEC 62271-203. The design of the socket was tested under increased pressure conditions, amongst other things.

"If electric power is generated in an environmentally friendly way, transmission and distribution must follow suit. Because our technology is used at the interfaces, it plays an important part in this. The successful testing confirms its reliability for Clean Air, which is an important step towards climate-friendly energy transmission", says Alejandro Escobin, Head of Product Management HV Cable Accessories at PFISTERER. Key Account Manager, Norbert Fink adds: "The pluggability of the CONNEX system allows it to be installed quickly and easily, with a minimal space requirement and maximum flexibility. We are delighted that this technology will in future be contributing even more to improving sustainability."

About PFISTERER

In 1921 Karl Pfisterer founded his factory for special electrical products in Stuttgart with the aim of improving the world of power transmission. The PFISTERER Group has pursued this goal of quality and technological leadership for more than 100 years. Today, PFISTERER is one of the world's leading specialists and system suppliers for energy infrastructure – with a complete range of cable fittings, overhead line technology and components along the entire transmission chain from power generation to consumption. With state-of-the-art manufacturing processes and 1,200 employees at 19 international locations and 5 factories, PFISTERER not only connects the power grids of today and tomorrow, but also makes an important contribution to a sustainable and secure energy infrastructure.

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