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Nexceris, TFactory, Announce Strategic Partnership for Exclusive Distribution of Li-ion Tamer® in South Korea

Lewis Center, OH— February 18, 2019— On Wednesday, February 13, Nexceris and Technology Factory (TFactory) signed an agreement that grants TFactory exclusive distribution rights for Li-ion Tamer® in South Korea. The partnership leverages each company’s unique strengths and assets to make energy storage safer in South Korea with Li-Ion Tamer® which is a lithium-ion battery monitor. Together Nexceris and TFactory will create a new paradigm of lithium-ion battery safety that enables the secure deployment of energy storage.

Kyle Shen, CEO, and Randall Stacy, CCO, of Nexceris along with Hyung-Seok, Choi, CEO, and Ju Kwang Lee, Managing Director, of TFactory are eager to deliver advanced safety diagnostics to the growing energy storage requirements of South Korea.

Nexceris CCO, Randall Stacy said, “This partnership with TFactory will enable us to deliver Li-ion Tamer® technology with a partner committed to the safe deployment of energy storage in South Korea. TFactory shares our values for advancing innovation, safety and clean energy.”

TFactory CEO, Hyoung Seok Choi said, “The partnership with Nexceris will provide the added technology that allows us to leverage both chemical and electrical solutions for another layer of safety regarding the ESS fire issue. We are very fortunate to be working together to accomplish this goal and pave a safer way for energy storage. The TFactory team looks forward to our collaborations with Nexceris.”

Positive Customer Impact

The origin of our collaboration was a shared vision to address safety concerns related to fires in energy storage markets. Our goal is to immediately arm several energy storage systems in South Korea for the purpose of demonstrating the effectiveness of Li-ion Tamer® technology. TFactory will work with all stakeholders in South Korea to advance safety and promote energy storage.

About Li-ion Tamer®

Li-ion Tamer® is a gas detection system developed specifically for lithium-ion batteries. It increases the safety of lithium ion battery systems by detecting precursors of abuse that can lead to actions that would prevent fires caused by thermal runaway. As lithium ion batteries begin to fail, they increase internal cell pressure through a variety of mechanisms caused by abuse imposed on the cell. The pressure increase in the cell will eventually result in a venting of the internal gases – the off-gas event. If left unchecked the cell will eventually catch on fire during thermal runaway. The Li-ion Tamer® off-gas detection technology is designed to detect when the cells vent gases which typically occurs 2-30 minutes prior to a fire or thermal runaway. The incipient fault detection provided by this method of off-gas detection can alert the battery system that failure is imminent, and the system should be shut down to mitigate the risk of a system fire.

About Nexceris

Nexceris is an energy company that develops innovative sensor, power generation, and catalyst solutions. Founded in 1994, Nexceris' vision is to create a better world through energy innovations. The company collaborates with global customers and partners to transform powerful ideas that make energy production safer, more efficient, and environmentally responsible.

About TFactory

TFactory is a technology-driven company that develops smart electrical panel for telecom station, energy storage system and BSMS (Battery Safety Management System). Founded in 2010, TFactory's vision is to be a sustainable company with customers and partners. The company collaborates with government funded R&D centers, universities to lead the market with safer, more valuable and more innovative solutions.

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