Venios GmbH and Smart Grid Solutions AG partner with Panitek Power AG to rollout the innovative Venios Energy Platform (VEP) and the smartbox hardware in India

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Press Release

After the completion of the first pilot/demonstrator with one of India's largest private utilities, the partnership will become a preferred supplier to utilities countrywide as India embarks on its journey to modernize its infrastructure to deploy 175GW of renewable energy and shift to e-mobility.

New Delhi, India, Zurich, Switzerland and Frankfurt, Germany 13th January 2020 – Venios GmbH and SGS AG have signed a Memorandum of Understanding (MOU) with Panitek Power AG, an Indo-European company that sources proven technologies in the area of clean and smart power from European companies to implement them in India.

SGS is a Swiss company which develops, manufactures, distributes and commercialises hardware and software for a new generation of measurement, control and communication systems for electrical networks, in particular at the distribution network level, in the field of the energy industry and of electrical energy.

Venios is a German developer of innovative software solutions which focus on the efficient handling of new challenges in in the low and medium voltage grids. The base technology of Venios – the Venios Energy Platform (VEP) – allows the spatial-temporal analysis of electrical energy systems. The Venios system is designed for the massive parallel processing of various data sources and models (big data).

The Indian government has announced one of the largest and most ambitious renewable capacity expansion programs in the world. In addition, it has embarked on a program to move to e-Mobility in the coming years. As Distribution System Operators (DSOs) currently have limited insight into the day-to-day workings of the low voltage grid, the continued growth of renewable energy feed in and electric vehicle charging will rapidly increase the need for new solutions to deal with the strain on the already weak low voltage grid infrastructure.

The innovative and proven solutions provided by combining the SGS smartbox and Venios Energy platform (VEP) will result in Real-time visibility and Grid Infrastructure optimization of the low voltage grid which will help with voltage stability, reduce current congestion leading to loss minimisation for a safer and more reliable grid. The tools will support asset management decisions in ensuring that the current infrastructure is utilized to its full potential and saving on unnecessary investments.

Panitek is currently deploying the smartbox and VEP platform in a pilot/demonstrator project with one of India's largest private utilities.

Dr. Jonas Danzeisen, CEO Venios GmbH said:

"Panitek's expertise in successful commercialization of innovative, smart, efficient and clean technologies in India makes them an ideal partner for entering the exciting and growing Indian Market. Together with our trusted partner, SGS, we are sure we can offer a real value for the Indian market and are looking forward to unlocking the huge potential this partnership offers".

Martin von Euw, CEO Smart Grid Solutions AG said:

"With the increase of distributed generation, battery storage solutions and e-mobility in India, new challenges are coming up for grid operators. Together with Panitek, Venios and smart grid solutions provide Indian distribution system operators an intelligent and scalable solution that can meet current and future challenges".

Dr. Pankaj Agarwal, CEO of Panitek, said:

"Panitek is delighted to partner with Venios GmbH and Smart Grid Solutions AG. This important partnership adds to Panitek's exciting portfolio of mandates across the smart and clean energy sector in India. The "Smartbox" developed by SGS is a holistic smart grid concept at the distribution grid level based on measuring and control devices when combined with the award winning VEP platform of Venios will enable the location- and time-resolved analysis of electrical energy systems ensuring quality and a reliable supply by a utility to its customers. This innovative solution will reduce losses suffered by the DISCOMS with the increase in the penetration of renewables and EVs in the Indian power network".

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