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Gridspertise and STMicroelectronics build on 20-year collaboration to empower active smart-meter customers in the U.S. and other geographies

- *ST's direct power line communication channel towards the home to be included in Gridspertise's smart meters for the U.S. market*
- *Enabling end customers to take an active role in the energy market and integrating distributed renewable sources as well as smart energy-management systems*

Rome and Geneva, February 7, 2023 – – Gridspertise, a global player dedicated to supporting distribution system operators worldwide in accelerating the digital transformation of electricity grids, and STMicroelectronics (ST), a global semiconductor leader serving customers across the spectrum of electronics applications, announced today in occasion of DistribuTECH 2023 that they have entered a new phase of their long-term collaboration on smart-meter technologies.

The two companies' collaboration started in the early 2000's with one of Gridspertise's shareholders Enel; today more than 65 million Gridspertise smart meters deployed in Spain, Eastern Europe, and Latin America leverage the power-line communication (PLC) technologies provided by ST. Moreover, ST's latest PLC system-on-chip has been integrated in Gridspertise smart meters for Italy to enable a near real-time cyber-secure communication channel for in-home devices; the so-called Chain 2 technology. Now, Gridspertise and ST are working together to extend Chain 2 to new metering solutions in the Gridspertise portfolio, making it suitable for the U.S. and other geographies.

For end customers, Chain 2 technology improves awareness of the energy consumed and self-produced. It enables a multitude of new enhanced services that simplify their energy usage through home automation. Chain 2 technology encourages a more active role for all the players in the energy market, as well as the penetration of distributed renewable sources. For example, the technology allows to recommend to the end customer tailor-made behaviors based on real-time data production from its own generation system, like photovoltaic panels. It also enables the smart meter to collect real-time data on home appliances' consumption, that can be used, for example, to modulate the charging power of an EV charger according to the available capacity and other demands for power in the house.

Furthermore, Gridspertise and ST are collaborating in multiple other areas, too. Beyond working on ANSI C communication standard for the U.S. market, the Companies are cooperating for the

adoption of the latest DLMS¹-certified standards into Gridspertise smart meters, to further enhance interoperability and interchangeability between devices and systems.

“Working together with other key industry leaders is fundamental to accelerating grid digitalization and to promoting an active role for end users in the energy transition,” said Gianni Ceneri, Chief Technology Officer, Gridspertise. *“We are pleased to strengthen our strategic collaboration with STMicroelectronics leveraging shared best practices for the development of innovative solutions to serve an ever-increasing number of markets and bring benefits to new customers, starting from the U.S. where Gridspertise is enhancing its activities through its North American platform to better support power grid operators and utilities in the region.”*

“As Gridspertise accelerates the growth of its business, ST continues to develop and contribute our unique system know-how, dedicated support, and ready-to-use solutions based on our advanced semiconductor integration capabilities,” added Domenico Arrigo, General Manager of STMicroelectronics’s Industrial and Power Conversion Division in the Analog, MEMS & Sensors Group. *“We are maintaining and enhancing our connection as a key technology provider for Gridspertise solutions and services, and with them delivering smart and sustainable grids that are robust, secure, resilient, and reliable.”*

This latest step in the collaboration between Gridspertise and ST perfectly suits Gridspertise’s mission to deliver a new era of sustainable and reliable smart grids, which is extremely timely in the current U.S. context, where new federal policies have unleashed a wave of investment in the energy transition and grid modernization. Together, ST and Gridspertise are unlocking the penetration of new flexible and distributed sustainable energy sources and the active participation of end customers through increasingly digitalized grids.

Both Companies have branches in the U.S. to directly engage with tech companies, power grid operators, policy makers, and regulators, accelerating the region’s electric future.

About Gridspertise

Gridspertise offers grid intelligent devices, end-to-end cloud-edge platform solutions and services to accelerate the digital transformation of electricity distribution grids across three main areas: metering and grid edge digitalization, network infrastructure digitalization, field operation digitalization. The Company’s portfolio is designed as an open ecosystem, easy to integrate with Distribution System Operators’ existing infrastructure, combining intelligent and automated grid devices with ready-to-use modular applications, running at central level as well as on the edge. The Company was set up in 2021 as a carve-out of Enel’s twenty-year-long experience in developing, testing, and scaling up digital technologies to transform legacy distribution networks into smart grids. Gridspertise is today jointly controlled by the Enel Group and the leading global alternative investment manager CVC Capital Partners. The Company has inherited a significant intellectual property portfolio of over 430 patents and combines its expertise in grid digitalization with cutting-edge solutions from leading technology partners to tackle the evolving digitalization needs of the energy market. Gridspertise works with more than 50 Distribution System Operators of different sizes and across different geographies and has delivered over 5 million intelligent devices in 2022. The Company is headquartered in Italy with subsidiaries in Spain, Brazil, India and the United States. Current target markets include Europe, Latin America and

¹ DLMS – (device language message specification) is a non-profit organization of leading utilities and meter manufacturers to develop and support a standard for smart meter data exchange.

North America, expanding towards Asia-Pacific and Africa, where investments in power grids will drive infrastructure upgrade projects in the near future. For further information, visit gridspertise.com

About STMicroelectronics

At ST, we are more than 50,000 creators and makers of semiconductor technologies mastering the semiconductor supply chain with state-of-the-art manufacturing facilities. An integrated device manufacturer, we work with more than 200,000 customers and thousands of partners to design and build products, solutions, and ecosystems that address their challenges and opportunities, and the need to support a more sustainable world. Our technologies enable smarter mobility, more efficient power and energy management, and the wide-scale deployment of the Internet of Things and connectivity. ST is committed to becoming carbon neutral by 2027. Further information can be found at www.st.com.

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