

GE, Inogen and Sertavul to build first Hybrid Wind + Solar project in Turkey

- *Plant combines a 32 MW wind farm with a 30 MW solar plant*
- *Project leverages compatibility of solar and wind power*
- *First installation of GE's 4.7 MW solar solution worldwide*

Istanbul, June 23, 2022 - GE and its regional solution partner Inogen have been selected by Sertavul to build one of the first Hybrid Wind + Solar projects in Turkey. The plant is composed of a 32 MW wind farm commissioned in 2020 that will be integrated with a 30 MW solar plant.

Adding solar to the wind farm will enable an overall higher capacity factor and availability for the plant while delivering dispatchable renewable energy into the grid, since the sun shines during the day and the wind often blows strongly at night.

[Prakash Chandra](#), Renewable Hybrids CEO, GE, said: "This project is another stepping-stone for the growth of hybrid power plants in Turkey. The project will help accelerate Turkey's energy transition by optimizing scarce infrastructure and improving capacity factor of an existing plant, enabling intelligent dispatch of power and supporting our customer Sertavul to deliver more renewable energy."

Sertavul's Chairman of the Board Mr. Kemal TAŞ stated: "We are proud to have implemented the first Hybrid project in Turkey with the cooperation of Sertavul, GE and Inogen. In recent years, investments in renewable energy sources for clean energy have increased worldwide. With this project, we aim to contribute to our country by using renewable energy sources to increase energy efficiency and reduce air pollution. We plan to increase our energy production with the support we receive from our partners."

[Ali Murat SOYDAN](#), CEO, Inogen, said: "We are very pleased to be a solution partner in one of the most important projects of our country and the world under the



leadership of GE. We believe that there is a great hybrid potential in our country. Here, our most important feature is our ability to implement projects very quickly with local production . We are currently constructing and commissioning more than 4 MW solar power plants per day under the GE structure. It is a great financial advantage to our partners that we work with in these projects.”

Inogen will perform site activities and deliver the sun tracking systems that will help increase the total energy production of the power plant.

For the solar plant, GE will deliver seven **FLEXINVERTER** solar power conversion units. This project is the first installation of GE’s 4.7 MW solar solution worldwide. GE already delivered 1.3 GW of its **FLEXINVERTER** technology in Turkey.

GE’s **FLEXINVERTER** is an integrated containerized solution that combines a solar inverter, medium voltage power transformer, and an optional MV Ring Main Unit, all integrated in a standard 20-foot ISO high cube container. The technology is a smart solution that helps deliver a reliable, cost-effective, plug and play, factory-integrated power conversion platform for utility scale solar and storage applications. It helps reduce capital and operation costs and ensure a more reliable plant performance.

The **FLEXINVERTER** is a key component of GE’s [Renewable Hybrids FLEX portfolio](#) that includes the [FLEXRESERVOIR](#) and the [FLEXIQ](#) technologies. The **FLEX RESERVOIR** is a systems integrated battery energy storage and power electronics solution for multiple configurations and market applications. **FLEXIQ** is a digital platform that provides design, operation, and fleet management solutions to enable grid compliance and maximize lifetime customer value.

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About GE Renewable Energy

GE Renewable Energy is a \$16 billion business which combines one of the broadest portfolios in the renewable energy industry to provide end-to-end solutions for our customers demanding reliable and affordable green power. Combining onshore and offshore wind, blades, hydro, storage, utility-scale solar, and grid solutions as well



as hybrid renewables and digital services offerings, GE Renewable Energy has installed more than 400+ gigawatts of clean renewable energy and equipped more than 90 percent of utilities worldwide with its grid solutions. With nearly 40,000 employees present in more than 80 countries, GE Renewable Energy creates value for customers seeking to power the world with affordable, reliable and sustainable green electrons.

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