

PRESS NOTE

Green energy, in 2023 residential battery storage systems will be able to storage up to 15 GW.

The estimates by Bloomberg NEF, which also reports the case study of Energy S.p.A.

In 2022 the Italian market represented over 20% of installations globally.

CEO of Energy S.p.A. Davide Tinazzi: "The adoption of storage systems in the residential sector will be fundamental in the green transition of which we have always been supporters".

Sant'Angelo di Piove di Sacco (Padua), January 3, 2023 – Batteries for **energy storage** from renewable sources play a fundamental role in the energy transition and, among these, **residential batteries** represent an important part. This is what emerges from the analysis "*Scaling the Residential Energy Storage Market*" drawn up by [BloombergNEF \(New Energy Finance\)](#) and [Pylontech](#), world's leading manufacturer of lithium batteries for stationary cyclic use for the accumulation of energy from renewable sources. The study offers a market scenario that opens very interesting prospects for **Energy S.p.A.**, an integrated energy storage systems producer and listed on the Euronext Growth Milan market, (ISIN Code IT0005500712, Ticker ENY), widely positioned in the strategic supply chain of batteries for storage systems for renewable energy sources.

The main data from BloombergNEF's **battery market analysis**:

- At the end of 2022, **36 GW** of batteries have been installed globally;
- BloombergNEF predicts that more than **15 GW/34 GWh** of cumulative residential battery capacity will be installed globally **by the end of 2023**;
- The main markets will be Germany, Italy, Japan, the United States and Australia, which will account for **88% of the cumulative installed residential battery capacity** by the end of 2023;
- In both Germany and Italy, **over 70%** of new residential solar energy systems are equipped with batteries to store the energy generated during the day;
- Italy became **the second largest market in 2022**, accounting for more than 20% of global additions in 2021 and 2022;
- In Italy, the rate of connecting batteries to rooftop solar was **77% in 2022**, compared to 11% in 2018;
- BloombergNEF has outlined a vision to bring the world to net zero emissions by 2050, using solar, wind and battery storage: this requires installing **722 GW** of batteries worldwide by 2030 and **2.8 TW** of batteries by 2050.

THE CASE STUDY IN ITALY WITH THE ENERGY S.P.A. SYSTEMS – In addition to being a fundamental component for the **elimination of gas emissions**, the adoption of storage systems in residential settings by users will also contribute to mitigating the problems in electricity demand between day

and night, to support local electricity networks and to generate significant bill savings for property owners. In this regard, a case study was carried out on Energy S.p.A. systems in January 2023, installed in a **residence in Veneto**, which highlighted the advantages of installing residential storage systems in combination with solar panels. According to the findings, it is estimated that a homeowner's investment in solar panels and batteries **will pay itself in seven years and continue to generate savings and energy for a long time**. The outcome of the test became a **case study included in BloombergNEF's research**, alongside the only other case cited, carried out on systems installed in Great Britain.

Pylontech and Energy S.p.A. have a long and profitable business history behind them. Started about 10 years ago as a supplier-customer relationship, the collaboration between the two companies has developed greatly. In May 2023 the two companies [signed a joint venture](#) for the production and marketing of lithium batteries in Europe with the launch of a **Gigafactory in Italy, in Veneto**. Phase 1 of this production is already underway at the Energy production plant in the province of Padua, while for the construction of phase 2 the Company has recently received a loan of [7.15 billion euros from the PNRR](#) (relating to the Development Contract of the strategic production chain "Renewables and Batteries") for the construction of a dedicated factory, close to the existing one.

"We are proud that our systems have been used once again in a reference international case study cited in such an authoritative and prestigious analysis. This success reflects the constant commitment to innovation and quality that permeates every aspect of our work", declared CEO of Energy S.p.A. Davide Tinazzi. "In addition to representing a recognition of our excellence in the sector, the analysis clarifies how the adoption of storage systems in the residential sector will be fundamental towards a green transition of which we have always been supporters. Our systems facilitate access to renewables for residential use to increase energy efficiency and family savings with positive impacts on the environment".

Energy S.p.A., founded in 2013 by Davide Tinazzi, Andrea Taffurelli and Massimiliano Ghirlanda and listed since August 1, 2022 on the Euronext Growth Milan market of the Italian Stock Exchange, is headquartered in the province of Padua (Italy) and is an energy storage systems for both residential and large-scale applications sector leader. Our systems allow energy to be stored and released according to customers' energy needs. Energy has to date sold and installed more than 60,000 systems across the country, with a focus on the residential, commercial, industrial, utilities and electric mobility markets. The value of production in the first half of 2023 was Euro 40.1 million, with revenues of Euro 39.3 million and a net profit of Euro 5.5 million. The biggest projects executed include the large-scale plant in Comiso (Sicily), consisting of an agrivoltaic plant and a photovoltaic field, the large-scale plant at the CAAB Centre in Bologna, the Smart Grids at numerous municipalities in Sardinia and Lombardy and a Condominium Energy Community in Switzerland where individual hubs exchange energy as needed. Energy's sales channels include both general electrical distributors and PV specialists, while the company also works with large European EPCs. The proximity of Energy's logistics to the headquarters of major distributors has allowed the company to establish strong partnerships with the Italian and European market players. The company purchases components from major international suppliers and combines them with its "Zero CO2" proprietary software to build EU standard compliant systems. www.energyspa.com

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