

PRESS NOTE

Energy security and artificial intelligence: Energy Group drives innovation in energy storage

Energy Group CEO Tinazzi: “Artificial intelligence will become strategic. Storage systems will not only manage energy but can deliver it to the grid to stabilize it in times of need.”

Sant'Angelo di Piove di Sacco (Padua), September 18, 2024 - Following the Italian government's presentation of the **National Integrated Energy and Climate Plan (NIEPC)** in Brussels, our country is facing a crucial moment in the **energy transition**, accelerated by geopolitical events and new European regulations aimed at reducing dependence on fossil fuels. In a context where energy security and technological self-sufficiency become priority issues, **the ability to intelligently manage energy resources** is crucial.

Energy Group, a leading full system technology manufacturer in Battery Energy Storage Systems (BESS) and a provider of cloud and engineering services, is confirmed to be at the forefront of the **integration of artificial intelligence (AI) within energy storage systems**, an area increasingly crucial for energy security and technological innovation in Europe. According to a [study conducted by the International Energy Agency \(IEA\)](#), **artificial intelligence already has more than 50 different uses in the energy system**, starting from improving supply and demand forecasting to predictive maintenance. According to the report, in the future, the market related to AI technology in the energy sector **could be worth up to 13 billion dollars**.

The segment in which the Energy Group operates is characterized by **the generation of an immense amount of data**, such as that of energy production, storage and consumption that is collected by storage systems. Being able to manage and navigate this data flow is crucial, as it helps **optimize many energy processes**. The Energy Group, through its subsidiary EnergyInCloud Srl, is developing cutting-edge software that uses artificial intelligence to **optimize the management of peak energy production and consumption data**, concretely demonstrating how these technologies can be successfully applied in the energy sector. Finally, the application of AI enables not only **improved operational efficiency**, but also enhanced preventive diagnostic functions, such as operation and wear data.

“Artificial intelligence will become increasingly strategic in the future of the energy sector. Storage systems will not only manage energy but will be able to deliver it to the grid to stabilize it in times of need. Thanks to AI, it will be possible to analyze the history of data to predict and manage stress on accumulators due to new demands”, stated **Davide Tinazzi, CEO of Energy Group**, who also emphasizes **the importance of data protection** in a national security context. *“We made a clear choice: to keep all our servers in Europe. Data security is crucial, especially to avoid the risk of energy dependencies on foreign countries, a strategic issue for Europe”.*

In an historical moment in which Europe is trying to reduce its dependence on fossil fuels and **reappropriate technologies related to clean energy**, the Energy Group stands as a key player. *“Thanks to our approach, we are able to verticalize the entire production process of storage*



systems”, Tinazzi concludes. “This not only allows us to provide products made in Italy and made in Europe, but also guarantees the security of data, managed and stored in our servers, a need increasingly felt in the European context”.

Energy Group is a leading full system technology manufacturer in BESS (Battery Energy Storage System) systems for both residential and large-scale applications and a provider of cloud and engineering services in the Italian and European markets. The group is an evolution of Energy S.p.A., founded in 2013 by Davide Tinazzi, Andrea Taffurelli and Massimiliano Ghirlanda, listed since August 1, 2022, on the Euronext Growth Milan market of Borsa Italiana (ISIN Code IT0005500712, Ticker ENY, which was joined in 2023 and 2024 by EnergyInCloud Srl and Enermore Srl. respectively. To date, more than 60,000 systems have been sold by Energy and already installed in the national territory, dedicated to the residential, commercial, industrial, utilities and electric mobility markets. As of December 31, 2023, revenues were 63.3 million and net income was 5.6 million. Energy Group's sales channels include both generalist distributors of electrical equipment and PV specialists, and the company also works with large European EPCs. The proximity of the company's logistics to the headquarters of major distributors has led the Energy Group to have strong partnerships with Italian and European market players. www.energyspa.com

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