

Expected ROI of commercial energy storage project in Italy 2025

How will the energy storage and hydrogen sector perform in Italy?

Mauro Moroni, co-coordinator of the Energy Storage and Hydrogen Working Group at ITALIA SOLARE, foresees a significant acceleration in the sector driven by decreasing module and battery costs, anticipating an increase in sales, especially in the commercial and industrial segments.

Is Italy a leader in industrial energy storage and commercial energy storage?

Accordingly, there is a growing market for industrial energy storage and commercial energy storage projects, positioning Italy as a leader in advanced Italy storage solutions and renewable energy Italy initiatives.

How many energy storage systems are there in Italy?

Italy concluded the year 2023 with an impressive tally of 518,947 energy storage systems (ESS) integrated into the grid, marking a notable surge from the preceding year. According to data sourced from ITALIA SOLARE and Terna, these systems collectively wielded a power capacity of 3.37 GW and boasted a storage capacity amounting to 6.65 GWh.

Which European country has the most energy storage capacity in 2024?

Italy is arguably the most vibrant European energy storage market at present. It is forecast that Italy will deploy more energy storage capacity than any other European nation in 2024, reaching a total of 7.7 GWh, which will equate to more than a third of the total storage capacity deployed in Europe this year (see chart below).

Is MACSE a risk-averse investment in Italian energy storage?

From ESS News 2025 is set to see rapid growth in investment in the Italian energy storage sector, led by battery energy storage systems (BESS), with the implementation of MACSE. The eagerly anticipated procurement exercise will offer a stable, predictable premium over 15 years, making it particularly attractive for risk-averse investors.

Why is Italy focusing on advanced storage technology?

In the broader EU landscape, where there's a collective push for 42.5% renewables in energy consumption by 2030, Italy's focus on advanced storage tech sets them apart from EU neighbours still heavily invested in traditional grid upgrades.

The EMMES 9.0 data highlights significant growth in the energy storage sector: increased deployment rates, larger energy storage systems, and a rising trend of co-locating storage projects with renewables. From a policy perspective, new ...



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