



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. What are Italy's energy storage goals? Energy Storage Goals: To balance the grid with increased renewable energy, Italy targets 11 GW / 58 GWh of grid-scale energy storage capacity by , requiring substantial investment and development. Is MACSE a risk-averse investment in Italian energy storage? From ESS News 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 , Italy's focus on advanced storage tech sets them apart from EU neighbours still heavily invested in traditional grid upgrades. How much energy storage capacity does Italy have? As of November Italy had 5.1 GW / 11.7 GWh of energy storage capacity. This is almost exclusively small-scale residential system, with utility-scale storage systems providing just 864 MW. To help achieve the target for utility-scale storage build-out, the Italian government has implemented the MACSE subsidy scheme as supporting legislation. How much will Italy invest in utility-scale storage? In support of these ambitious objectives, the Italian government recently received approval from the EU Commission for investment schemes aimed at developing at least 70 GWh of utility-scale storage--an initiative projected to attract over EUR17 billion in investments over the next decade. First up is the lithium-ion battery energy storage systems (BESS) phase, launching in early , with pumped hydro energy storage (PHES) projects following in a subsequent phase. Italy is stepping into a new energy era with the MACSE auction in early . Underpinning MACSE, or Meccanismo di Assegnazione Centralizzata per la Sostenibilità Energetica, is an ambitious plan to boost renewable energy integration and support up to 50GWh of energy storage by - a move to On 7 th March Terna released final key details for investors preparing to participate in the first MACSE auction, after the Italian Ministry approved it. This auction targets capacity delivery in . Published information on MACSE auction participation now includes: MACSE auction regulation The European Commission has given its approval for a support initiative aimed at funding extensive energy storage projects in Italy. These projects are intended to have a capacity exceeding 9 gigawatts (GW) and a storage capacity of 71 gigawatt-hours (GWh). With a total value of EUR 17.7 billion MACSE Subsidy Scheme: The new MACSE scheme offers 15-year contracts for energy storage projects and guarantees indexed linked revenue. The first auction in is expected to significantly boost BESS development. Policy Background The EU's energy and climate greenhouse emissions target requires EU Rome, April - In a bold move to meet its EU-mandated greenhouse gas emissions targets, Italy is accelerating its renewable energy strategy under the Integrated National Energy and Climate Plan (PNIEC Italy). The government has set ambitious goals for increasing renewable energy on the national



Institutional capital and strategic investors seeking exposure to one of Southern Europe's most dynamic energy markets are presented with attractive opportunities as a result of the robust demand for storage investment that is being driven by this shifting energy landscape. The significance of Italy's MACSE auction will reshape the Italian storage market. First up is the lithium-ion battery energy storage systems (BESS) phase, launching in early 2025, with pumped hydro energy storage (PHES) projects following in a 2025 Italy's 1st MACSE auction: green light for BESS investors. Italian BESS investors now face the challenge of evaluating the evolving risk-reward balance between merchant opportunities, CM potential participation and MACSE. Large-scale energy storage - Italy will receive huge financial support. The European Commission has given its approval for a support initiative aimed at funding extensive energy storage projects in Italy. These projects are intended to have a 2025 How Italy is Driving BESS Investment Revenue Streams for BESS: The business case for BESS in Italy is underpinned by four main revenue streams: wholesale trading, the Ancillary Services Market (MSD), the Capacity Market (MC), and the new energy MACSE auction: A game changer for Italy's energy sector 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. Italy Accelerates Solar Energy and Industrial Energy Storage. The government has set ambitious goals for increasing renewable energy on the national grid, with a particular focus on bolstering both solar energy and energy storage. Top 10 Energy Storage Investors in Italy | PF Nexus. Top 10 Energy Storage Investors in Italy: discover market leaders, buying and selling opportunities, and financing options on PF Nexus. ropean Market Outlook for Battery Storage - The European Market Outlook for Battery Storage - analyses the state of battery energy storage systems (BESS) across Europe, based on data up to and including 2024. Energy in Italy: Trends and opportunities | Herbert. The energy sector continues to be a cornerstone of Italy's economic and environmental strategy, driving resilience and innovation amidst global market challenges. As the country aligns with European climate goals, Battery Storage Funding Critical to Europe's Energy Transition. In our view, there is a need for greater collaboration between sponsors developing the batteries, regulators and national policymakers setting renewable targets, and the financing community. Project Finance Brief: Matrix Renewables Secures The project in Hidalgo County, Texas, is expected to reach commercial operation by the summer of 2025. Click here for reports and trackers on funding and M& A transactions in solar, energy storage, and smart grid. Are there any financing options specifically for commercial energy storage? Key Financing Options Direct Ownership with Loans: Companies can finance energy storage projects by borrowing money from lenders. Loans allow organizations to spread the cost of investment. Global Energy Storage Growth Upheld by New Markets. The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, the sector continues to grow as developers expand. Financing Energy Storage: A Cheat Sheet. As such, we're providing this "Cheat Sheet for Energy Storage Finance" based on our work as buy-side and sell-side investment bankers experienced in both energy storage venture capital and project finance. I'm also including some



BESS in Germany and Beyond: Use Cases, BESS Capacity across Germany and Projected Growth
By mid-, Germany's total BESS capacity reached 16 GWh, which included: 13 GWh residential
1.1 GWh commercial 1.8 GWh large-scale systems Germany led Italy's MACSE auction will
reshape the Italian storage Italy accelerates the transition to renewable energy Italy is stepping into
a new energy era with the MACSE auction in early . Underpinning MACSE, or Meccanismo di
Assegnazione Centralizzata per la Italy: BESS wins nearly 600MW in capacity marketThe BESS
figure is a big jump on the CM auctions for and delivery years, which saw 80-90MW of BESS
capacity awarded contracts in each. The CM and a new Lion Storage Secures Financing for One
of Europe's Largest This diverse group of stakeholders underscores the growing support for energy
storage as a critical component of the future energy infrastructure. Mufasa stands out as the BESS
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