

What is Engie & Energy Dome?

In Italy ENGIE has been pioneering the dispatching and the optimization of BESS (battery energy storage systems) since 2023; with an existing portfolio of 43 MW/48 MWh, the agreement with Energy Dome will consolidate ENGIE's know-how in storage optimization.

How can energy dome save the world?

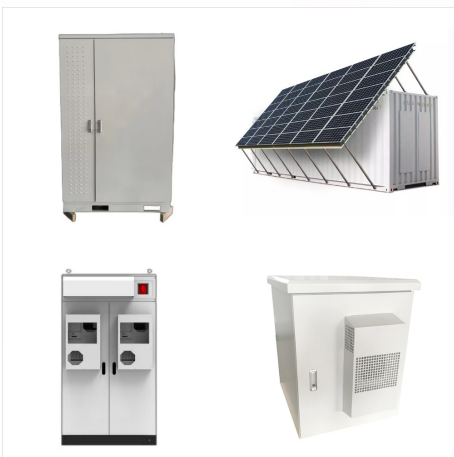
Humbly speaking, there's only one way to start saving the world. Energy Dome solves the problem of long-duration energy storage with technology that is made with off-the-shelf components, it is scalable to your needs, with easy maintenance, and sustainable materials such as steel and CO₂.

Why did Engie partner with energy dome?

Edouard Neviaski, CEO of ENGIE's business entity 'Global Energy Management & Sales', said: "ENGIE is thrilled to partner with Energy Dome on this groundbreaking energy storage project. This collaboration highlights our unwavering commitment to developing sustainable and flexible solutions that drive the energy transition.

What if Niger doesn't have electricity?

Only one in seven Nigeriens have access to modern electricity services, and just four percent of rural residents have access through the national utility. Without power, there is no viable path for economic growth and development, and few prospects for people living below the poverty line. But Niger has a plan.



The Government of Niger created ANPER to design, implement, and monitor country-wide rural energy efforts to help Niger achieve universal rural electrification by 2035. ANPER realized that solar mini-grids offer a cost-effective, fast pathway to delivering first-time energy access to 1,000 rural villages. ANPER also knew that the country needed



Milan, Italy (October 19, 2023) ??? Energy Dome is delighted to announce a collaborative partnership with MAN Energy Solutions, a renowned provider of technology solutions in the energy sector. The two companies have formalized their commitment through a Memorandum of Understanding (MOU) for a non-exclusive collaboration, signifying an important step forward in ???



1 ? Long-duration energy storage (LDES) technology company Energy Dome and global low-carbon energy firm Engie have agreed to purchase energy from the first commercial-scale CO??? battery in Sardinia, Italy. The companies today (19 th Dec) announced the signing of an offtake agreement for the facility



Milan, May 13, 2024 ??? The European Investment Bank (EIB, a key provider of growth capital in Europe, has announced Energy Dome as one of the Innovation Champion awardees at the EIB AdVenture Debt Summit in Luxembourg. Energy Dome, which received venture debt financing from the EIB in December 2023, was recognized for its commitment to innovation and excellence in ???



2 ? Questo accordo evidenzia il comune impegno di ENGIE e di Energy Dome nel promuovere soluzioni di stoccaggio energetico di lunga durata e rappresenta una significativa conquista per la diffusione commerciale di ???



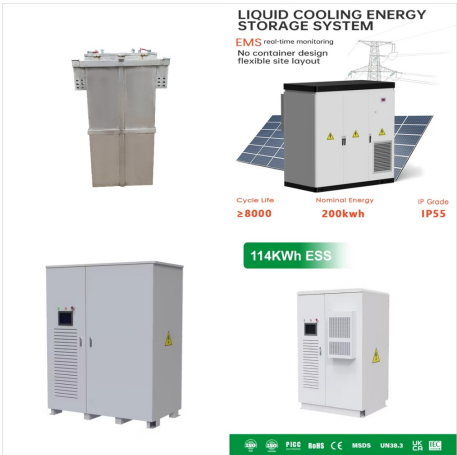
MILAN ??? April 27, 2023 ??? Energy Dome, the company behind the CO2 Battery???, the innovative long-duration energy storage solution, today announced it has closed a 40 million euro (circa \$44 million) Series B funding round. The financing round was led by Eni Next, the corporate venture capital arm of Eni. Eni Next invests in high-growth



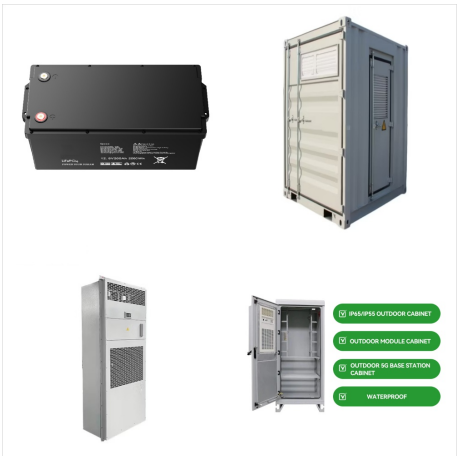
1 ? MILANO--(BUSINESS WIRE)--Nel quadro della transizione globale dall'ambito della ricerca alla diffusione commerciale delle tecnologie pulite, Energy Dome, azienda all'avanguardia nel campo del



On January 25, 2023, the annual Cleantech for Europe Summit in Brussels brought together cleantech innovators, investors, and policymakers, all of them representing Europe in the global cleantech race. Energy Dome was one of ???



Su Energy Dome. Energy Dome ? un fornitore di soluzioni per l'accumulo di energia (CO2 Battery) che sblocca l'enorme potenziale delle fonti rinnovabili, rendendo l'energia solare ed eolica programmabile e sempre disponibile per gli utilizzatori finali. Energy Dome ? guidata da un team di comprovata esperienza nel settore dell'energia



MILAN, ITALY ??? Energy Dome, an Italian energy storage technology company founded in 2019, today announced the close of its \$11M Series A fundraise. The company will use the proceeds to complete the construction of its CO2 Battery ???



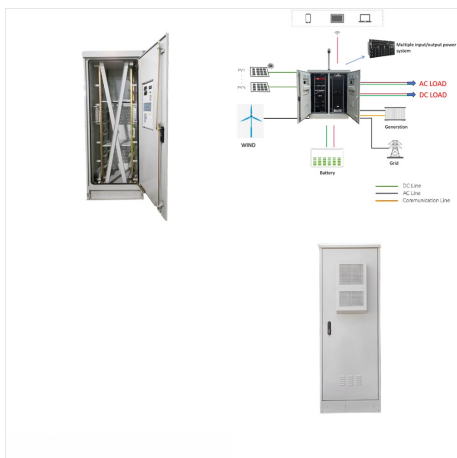
2 ? This agreement highlights the shared commitment of ENGIE and Energy Dome to advancing long-duration energy storage solutions, marking a significant milestone in the commercial deployment of innovative clean ???



The Innovative Long-Duration Energy Storage Solution Provider Open New Office Location in Boston, Massachusetts, USA. Milan ??? March 8, 2024 ??? Energy Dome announces the opening of its first USA office in Boston, Massachusetts. This is a transformational milestone for Energy Dome, as it demonstrates its global vision and ambition to decarbonize the world with [???]



Niger: Energy intensity: how much energy does it use per unit of GDP? Click to open interactive version. Energy is a large contributor to CO 2 ??? the burning of fossil fuels accounts for around three-quarters of global greenhouse gas ???



DUBAI ??? 1 December 2023 ??? Today, at COP28, Energy Dome has announced funding commitments for its first CO₂-based and innovative thermo-mechanical energy storage system to be located in Sardinia, Italy. Funding will be in the form of a project-level grant commitment of up to ???35,000,000 from Breakthrough Energy Catalyst and ???25,000,000 Venture Debt financing [??]



Energy Dome is an energy storage solution provider that is unlocking renewable energy by making solar and wind power dispatchable using the CO₂ Battery. Led by a team with a track record of innovation in the energy sector, Energy Dome's low-cost energy storage technology helps accelerate the global transition to renewable energy by enabling



Energy Dome's Paul Smith, Vice President of Sales, will discuss the importance of long-duration energy storage for energy transition in the Middle East. We'll talk about conventional storage methods, such as pumped hydro and grid-scale lithium-based batteries, and explore their merits and shortcomings compared to the CO₂ Battery, with



1 ? Under the agreement, Energy Dome will own and operate the facility, while Engie will optimise and dispatch the stored energy in the Italian power markets. As an emerging climate ???



1 ? MILAN, December 19, 2024--As part of the global transition from research to commercial deployment of cleantech technologies, Energy Dome, a visionary long-duration energy storage (LDES) technology



Milan ??? January 12, 2024 ??? Energy Dome has been named on Cleantech Group's 2024 Global Cleantech 100.. This annual list, now in its 15 th year, serves as a definitive guide to the top companies making significant contributions to sustainable innovation.. The Global Cleantech 100 is a comprehensive showcase of the most promising private companies in the cleantech ???



DUBAI ??? 1 December 2023 ??? Today, at COP28, Energy Dome has announced funding commitments for its first CO₂-based and innovative thermo-mechanical energy storage system to be located in Sardinia, Italy. Funding will be in the ???



2 ? This agreement highlights the shared commitment of ENGIE and Energy Dome to advancing long-duration energy storage solutions, marking a significant milestone in the commercial deployment of innovative clean technologies. Milan, Italy ??? 19 December 2024 ??? As part of the global transition from research to commercial deployment of cleantech ???



The European Commission selects Energy Dome, in the most competitive European funding scheme, as a game changer in the energy transition. MILAN (December 22, 2022) ??? Energy Dome, the company behind the CO₂ Battery, a disruptive long-duration energy storage solution, today announced it has been awarded ???17.5 million in funding from the European Innovation ???



Energy Dome is an emerging technology leader in the long-duration utility scale Energy Storage space. It has developed an innovative solution to store electric power by liquifying CO₂ and holding it in its liquid form until the power is needed, at which point the liquid CO₂ is expanded back into its gaseous form through a turbo-expander, which



Niger: Energy intensity: how much energy does it use per unit of GDP? Click to open interactive version. Energy is a large contributor to CO₂ ??? the burning of fossil fuels accounts for around three-quarters of global greenhouse gas emissions. So, reducing energy consumption can inevitably help to reduce emissions.



On January 25, 2023, the annual Cleantech for Europe Summit in Brussels brought together cleantech innovators, investors, and policymakers, all of them representing Europe in the global cleantech race. Energy Dome was one of the four new additions to Cleantech for Europe's Scale-Up Coalition, selected for its demonstrated breakthrough technology in the long-duration ???



With the launch of their commercial demonstration facility in Sardinia, Italy, Energy Dome's energy storage technology is ready for market. MILAN (June 8, 2022) ??? Energy Dome, a leading provider of utility-scale long ???



1 ? As part of the global transition from research to commercial deployment of cleantech technologies, Energy Dome, a visionary long-duration energy storage (LDES) technology company, and ENGIE a global reference in low ???



Image: Energy Dome. Artist rendering of a large-scale CO₂ Battery project with solar PV.
Image: Energy Dome. Energy Dome, the startup commercialising a proprietary carbon dioxide-based long-duration energy storage (LDES) tech called the CO₂ Battery, has secured investment into a grid-scale project.



About Energy Dome . Energy Dome is revolutionizing energy storage and enabling grid decarbonization by making solar and wind power dispatchable 24/7. The company invented and developed the CO2 Battery, a long-duration energy storage system that makes long-duration energy storage viable globally today. The properties of carbon dioxide allow the