

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 CO<sub>2</sub>.

How will energy dome help Alliant Energy?

In particular, Energy Dome will assist Alliant Energy throughout the entire project and ensure the effective incorporation of the CO<sub>2</sub> Battery system into the energy infrastructure. In parallel, the construction of Energy Dome's first-of-a-kind standard CO<sub>2</sub> Battery plant in Sardinia, Italy, is also proceeding at full speed.

What makes the energy dome CO<sub>2</sub> battery unique?

After a thorough evaluation of technologies available in the market, the Energy Dome's CO<sub>2</sub> Battery stood out as a cost-effective, efficient and scalable solution.

Who is the CEO of energy dome?

Left: Claudio Spadacini, CEO - Energy Dome. Right: Raja Sundararajan, Executive Vice President - Alliant Energy. Claudio Spadacini, CEO of Energy Dome, expressed enthusiasm about this milestone, stating, "This is excellent news for long-duration energy storage in North America."

When will energy dome's first-of-a-kind CO<sub>2</sub> battery plant be completed?

In parallel, the construction of Energy Dome's first-of-a-kind standard CO<sub>2</sub> Battery plant in Sardinia, Italy, is also proceeding at full speed. The Sardinia plant's completion is expected by the end of Q1 2025 after reaching full notice-to-proceed at the end of 2023, representing Energy Dome's capability to deliver on a short lead time basis.

Five salt caverns are already in operation for storage of liquid fuels, and Magnum is now developing options for renewable energy like wind and solar power to be stored as compressed air or hydrogen within this salt dome.

Kolkata Leads The Way With India's First Renewable Energy Dome Museum. Wednesday, November 20, 2024. Kolkata debuts India's first Renewable Energy Museum at Eco Park, a solar-powered dome showcasing interactive exhibits on sustainability and energy innovation.. Kolkata's New Must-Visit Spot: India's First Solar Dome Museum

LEGGI IN ITALIANO. Today, February 24th 2021, Claudio Spadacini, Founder and CEO of Energy Dome, and Giuseppe Marino, CEO of the Ansaldo Energia Group have signed a memorandum of understanding as the first step of a commercial collaboration with the aim of bringing two innovative Energy Dome storage systems to market, the CO<sub>2</sub> Battery and the ...

Alliant Energy has received initial approval for a Department of Energy Office of Clean Energy Development grant, providing funding for a CO<sub>2</sub>-powered energy storage system, called an...

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 ...

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 ...

London - November 22, 2024 - Energy Dome, a leading developer of long-duration energy storage (LDES) solutions, has been awarded the LDES Company of the Year at the Energy Storage Awards. The award ceremony, held on November 21st at the Hilton London Bankside, recognized Energy Dome's significant contributions to the advancement of long ...

Energy Dome offers the CO<sub>2</sub> Battery to the market both as a technology supplier (Original Equipment Manufacturer) and under an "Energy Storage as a Service" or Build-Own-Operate (BOO) business model. After the recent launch of the latter, we are already developing several projects in Italy, the United States, Chile, Ireland, and Australia.

Provider of long-duration energy storage completes convertible funding round co-led by CDP Venture Capital Sgr and Barclays and joined by Novum Capital Partners, ahead of planned Series B round. MILAN (June 28, 2022) - Energy Dome, a leading provider of utility-scale long-duration energy storage solutions, today announced the successful closing of an \$11 ...

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 ...

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 CO<sub>2</sub>.

Energy Dome's experienced project delivery team delivers to you everything you need to build your own plant down to the nuts and bolts. But to give you peace of mind, our supervisors help you ensure that construction maximum quality ...

Company Behind the CO<sub>2</sub> Battery(TM) Secures Additional Investment to Scale Global Product Commercialization and Expedite Time-to-Market. MILAN - April 27, 2023 - Energy Dome, the company

behind the CO2 Battery(TM), the innovative long-duration energy storage solution, today announced it has closed a 40 million euro (circa \$44 million) Series B ...

Brown boobies atop pier posts at Johnston Atoll, September 2005. The United States Minor Outlying Islands is a statistical designation defined by the International Organization for Standardization's ISO 3166-1 code. The entry code is ISO 3166-2:UM. The minor outlying islands and groups of islands comprise eight United States insular areas in the Pacific Ocean (Baker ...

The engineering team guided by Mr. Claudio Spadacini, founder and CEO of Energy Dome is building a 2.5MW/4MWh first of a kind energy storage facility in Sardinia, Italy, expected to be launched in early 2022. The plant, with a size of 2.5MWe and 4MWh, will be designed allowing for future storage expansion bringing it to [...]

London - November 22, 2024 - Energy Dome, a leading... [READ MORE](#) Energy Dome Signs First U.S. Contract with Alliant Energy for Commercial-Scale Deployment of its CO2 Battery

Madison, Wisconsin - 23 October 2024 - Energy Dome, a leader in long-duration energy storage solutions, announces a landmark advancement in its commercial-scale deployment in the US market through a signed supply contract for the ...

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 EUR17.5 million in funding from the European Innovation ...

At the core of our solution, there's our patented CO2-based technology. This is the only alternative to expensive, unsustainable lithium batteries currently used for energy storage. The CO2 Battery is a better-value, better-quality solution ...

Energy Dome was founded in Milan in February 2020 by Claudio Spadacini, Dario Rizzi, and Francesco Oppici. The three have been working together for over 15 years and, in previous ventures, have developed, designed, and built more than 500 MW of geothermal, heat recovery, CSP, biogas, and biomass power plants based on proprietary innovative technologies.

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(TM), a long-duration energy ...

Energy Dome has signed a contract with Alliant Energy for a 200MWh long-duration energy storage (LDES) project in Wisconsin, which the US utility considers the "first of many." Italy-headquartered Energy Dome holds the ...

Clicca qui per ITA. Milan, 4 March 2022 Giuseppe Marino, CEO of Ansaldo Energia, Daniela Gentile, CEO of Ansaldo GreenTech and Claudio Spadacini, CEO and Founder of Energy Dome, signed today the license agreement for the use by Ansaldo Energia of the energy storage technology owned by Energy Dome, based on the compression and expansion ...

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-duration energy storage, today announced the successful launch of its first CO2 Battery facility in Sardinia, Italy. This milestone marks the ...

The Innovative Long-Duration Energy Storage Solution Provider Gets (Yet Another) Prestigious Award Milan - January 23, 2024 - Cleantech Group, a leading authority on sustainable innovation, has announced Energy ...

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 EUR35,000,000 from Breakthrough Energy Catalyst and EUR25,000,000 Venture Debt financing [...]

The US Department of Energy (DOE) has sold the Teapot Dome oilfield to Stranded Oil Resources for \$45.2m. The oilfield, known officially as the Naval Petroleum Reserve Number 3 ...

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 ...

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 demonstration project in Sardinia, Italy, and to accelerate the growth of the business.

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 ...

In December, we had a chance to sit down with some of our peers at the Long Duration Energy Storage (LDES) Council for a webinar discussion about the potential to quickly build long duration energy storage, such as Energy Dome's CO2 Batteries, to ...

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 ...

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