

Data Center Energy Facilities





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Energy performance of data centres

The Commission's energy efficiency package for data centres will complement existing EU rules for data centres under the Energy Efficiency Directive.

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Data centers worldwide by territory 2026, Statista

At the same time, rapid data center expansion has sparked a global debate over resource use, including land, energy, and water, as modern facilities

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Data centres & networks

As the world becomes increasingly digitalised, data centres and data transmission networks are emerging as an important source of energy demand.

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Amazon to invest EUR33.7bn in data centers in Aragon, Spain

Amazon will allocate EUR30 million until 2035 to programs in Aragon communities. Its data centers in Aragon have been operating on 100 percent

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7 Best Data Center Stocks, ETFs and REITs to Buy

Demand for AI is driving a data center boom. These stocks, ETFs and REITs are positioned to benefit from it.

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Data Center Moratorium: Balancing Energy, Community, and Growth

AI Data Center Moratorium: Balancing Energy, Community, and Growth Risks Industry leaders analyze the proposed pause on AI data centers and the need to balance growth,

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Energy Efficiency in Data Centers , Department of Energy

Energy Efficiency in Data Centers The Federal Energy Management Program (FEMP) encourages agencies and organizations to improve data center energy efficiency in accordance with the Office of

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CONSTELLATION AND CYRUSONE ANNOUNCE



CyrusOne expands Texas footprint with new Constellation and Calpine agreement at Freestone Energy Center--over 1,100 MW now under contract

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Top 10: Data Centre Companies in Canada

In recent years, Canada has emerged as a premier destination for global data centre investment, underpinned by a unique combination of low-cost

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How Data Centers Redefined Energy and Power in 2025

In 2025, data centers evolved from passive utility customers to active energy planners, investing in on-site generation, battery storage, and flexible

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Data centres to be expanded across UK as concerns

Bruce Owen, regional president of data centre operator Equinix, said the UK's high energy costs, as well as concerns around lengthy planning

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Data Centers and Their Energy Consumption: Frequently Asked

Currently, there are no legally binding energy standards that apply explicitly to operation of data centers in the private sector. For use within the federal government, the U.S. Department of

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Data Centers and AI Energy Consumption: The Surge in

Data centers represent critical infrastructure for the modern economy, enabling everything from streaming services and e-commerce to financial



Ireland Ends Moratorium on New Power Links to Data

(Bloomberg) -- Ireland has lifted a de facto ban on connecting new data centers to the electricity grid around Dublin -- a move that gives the industry

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Datacenter power and energy management: past, present, and future

Both power and energy are critical: (peak) power draw drives datacenter designs, construction costs, and embedded carbon emissions, whereas energy (or average power over time) translates into

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Hyperscale AI data centers: 10 Breakthrough

Hyperscale data centers are now powering AI models with a revolutionary architecture--at a staggering energy cost.

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Economic costs of data-centers?

Costs of data-centers are \$10M/MW of capex, and \$100M pa for a 30MW-scale facility, of which 40% is maintenance, 15-25% electricity costs.

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Review of energy efficiency and technological advancements in data

The research, which draws from case studies of effective energy supply systems in data centers, offers useful suggestions and best practices for planning, executing, and overseeing data

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Big Tech's data center boom poses new risk to US grid

Data Center Alley, a 30-square-mile stretch outside Washington D.C. and home to more than 200 data centers, consumes roughly the same electricity

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Power Hungry Data Centers Are Driving Green Energy

In response, operators are piloting the co-location of data centers and large renewable energy power plants to reduce grid reliance and access cheaper

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NV Energy cutting Lake Tahoe power supply for AI data centers



An energy company is cutting power to Lake Tahoe residents to make room for AI data centers. The Nevada utility will stop supplying electricity to the region after May 2027, leaving Liberty

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After a \$16 billion Stargate AI data center was built despite being

Tech Industry After a \$16 billion Stargate AI data center was built despite being voted down, Michigan towns rush to block new buildouts -- massive facility will suck 1.4 Gigawatts of

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The Dangers of Data Centers

Data Centers are large facilities containing computer servers used for data storage, data analytics, generative AI, and streaming services. Data centers

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AI, data centers, and water

While land and energy are also enormous inputs, water is a fundamental ingredient to keep servers and other equipment in data centers

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Americans Oppose AI Data Centers in Their Area

Seven in 10 Americans oppose the construction of an AI data center in their local area, including 48% strongly opposed.

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Designing and regulating clean energy data centres

Policies and technologies to support this shift across computing, electrical and thermal



energy systems will be crucial for reducing the energy

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DOE Identifies 16 Federal Sites Across the Country for

DOE has identified 16 potential sites uniquely positioned for rapid data center construction, including in-place energy infrastructure with the ability to fast

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Google Data Center Power Deal Reveals AI Energy Crisis

Google agreed to shut down its own data centers when the grid is strained -- just to get power deals approved. AI's energy crisis is here.

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