

# **Development of New Energy Data Centers**





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

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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

### **Why Utah residents are protesting a massive AI data center**

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A group of rural Utah residents wants a chance to vote in November to oppose a massive AI data center development -- the latest example of Americans resisting new data center projects



## 2026 Data Center Power Report

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Over one-third of data centers are expected to use 100% onsite power by 2030 and developers increasingly expect permanent onsite generation to emerge as a preferred long-term approach. Next

## Utility Provider Cutting Electricity for 50k Lake Tahoe Residents to

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Beginning sometime after May 2027, NV Energy will divert Lake Tahoe's energy supply to AI data centers.

## Designing and regulating clean energy data centres

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Data centres are causing an increase in global energy demands. To prevent this new energy demand increasing CO2 emissions, data centres need to

## **Vantage Data Centers and Liberty Energy Announce Strategic**

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DENVER -- (BUSINESS WIRE)-- Vantage Data Centers ("Vantage"), a leading global provider of hyperscale data center campuses, and Liberty Energy Inc. (NYSE: LBRT) ("Liberty"), a

## **How Data Centers Redefined Energy and Power in 2025**

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



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

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This paper overviews some of the key past developments in cloud datacenter power and energy management, where we are today, and what the future could be. This topic is gaining enormous,

## **Recommendations on Powering Artificial Intelligence and Data Center**

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The Secretary should direct DOE and the national labs to develop new planning tools for projecting future infrastructure needs to support data centers and other large loads (recognizing both potential

## **Terrestrial Energy and Riot Platforms Launch**



## Collaboration to Develop

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Riot is a Bitcoin-driven industry leader in the development of large-scale data centers and bitcoin mining applications. Riot vertically integrated strategy spans Bitcoin mining, engineering, and

## Meeting the energy needs of Data Centres: What role for cogeneration?

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Energy supply is the key consideration for data centre operators, specifically in relation to selecting sites to build new data centres. Long waiting times for grid connections and sufficient supply to be

## New Era plans 7GW AI data center in Lea County, New

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New Era Energy & Digital has signed a land option purchase agreement for around 3,500



acres in Lea County, New Mexico, with plans to

## Top Energy Companies for AI Data Centers: 2025

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Hanwha Data Centers delivers comprehensive energy solutions specifically designed for hyperscale AI infrastructure. Our integrated approach

## Google

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Global oil benchmarks have experienced a sharp rally, with Brent crude rising above \$106 per barrel due to ongoing conflict in the Middle East and concerns over supply stability i



## Texas Data Centers 2026: Top Upcoming Hyperscale

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Explore major 2025 data center projects in Texas, including Advanced Energy & OpenAI Stargate. Check out the complete list [here!](#)

## Data Centers and AI Energy Consumption: The Surge in

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Overview: The Digital Economy's Energy Appetite The digital infrastructure powering our connected world has become one of the fastest

## New Data Center Developments: March 2026

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Review the latest data center news involving design, construction, power, and investment developments announced over the past month.



## **engine no. 1, chevron and GE vernova to power U.S.**

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Engine No. 1 and Chevron U.S.A. Inc., a subsidiary of Chevron Corporation (NYSE: CVX) announced today the formation of a partnership to build a new company to

## **Nearly 50,000 Lake Tahoe residents have to find a new power source**

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Roughly 49,000 Lake Tahoe residents could lose 75% of their power after their energy provider said it's directing energy to neighboring data centers.

## **New Data Center Hotspots Are Emerging: Four Things to Know**

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1. Energy and land are the most important factors in data center development Through conversations with data center developers, BNEF developed a framework to assess the how friendly

## **Data centre electricity use surged in 2025, even with tightening**

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Data centre electricity use surged in 2025, even with tightening bottlenecks driving a scramble for solutions - News from the International Energy Agency

## **Amazon turns to geothermal, solar and storage to power Nevada data**

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Amazon said it will cover all costs associated with powering its data centers, including new energy infrastructure and generation, so those costs are not passed on to residents and businesses



## **Google to develop 'clean energy' colocated data center**

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Google has announced a new data center in Wilbarger County, Texas, to be powered by onsite 'clean energy' from US energy firm AES.

## **Utah paves way for 'Shark Tank' star's massive energy, data center**

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Shark Tank star Kevin O'Leary has plans for a massive data center development in Utah. The Stratos Project would be sited on 40,000 acres in Box Elder County. The project includes plans

## **Review of energy efficiency and technological advancements in data**

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In summary, this review paper seeks to offer an exhaustive overview of cutting-edge research related to electricity supply systems in data centers. This encompasses current trends,

## **New Data Center Hotspots Are Emerging: Four Things to Know**

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A massive buildout of data center capacity is underway. BloombergNEF has tracked 22.8 gigawatts of IT capacity (or compute capacity) currently under construction globally. This is likely to

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