

Which green energy data center is the best



Overview

This guide provides an overview of best practices for energy-efficient data center design which spans the categories of information technology (IT) systems and their environmental conditions, data center air management, cooling and electrical systems, and heat recovery. As data centres across the world balance demand surges with sustainability, we explore the top 10 data centres pioneering green energy solutions. It's no secret that the world's data demands are rising. Our global need for data centres is increasing and accelerating at an exceptional pace. But, From Portugal to Las Vegas, here are the world's 10 largest data centres powered entirely by renewable energy, ranked by total IT capacity and innovation. Data centres power the modern digital economy, yet their surging energy needs have placed sustainability firmly in the limelight. This includes utilizing renewable energy. According to the World Economic Forum, the global data center industry is estimated to be worth about \$242.72 billion and is expected to more than double, i.e. However, with the growing digital economy, the environmental cost of maintaining the cloud-based. Switch stood out in the Clicking Clean Report, receiving the highest score among peers, largely thanks to its commitment to renewable energy since 2016. Additionally, S&P Global awarded Switch its top environmental honour, highlighting the company's compliance with social and governance standards. When coupled with top-of-the-line electrical equipment and.

Article Content

Dec 14, 2025

Top 10: Sustainable Data Centre Companies | Sustainability Magazine

Unless sustainability is integrated into their design, data centres will account for more energy consumed than the entire aviation industry. In this context, Sustainability Magazine is going ...

Mar 17, 2026

Green Data Center - The Complete Guide for 2025

Integrating renewable energy, advanced cooling technologies, and modular designs are essential strategies for transitioning to green data centers. Green data centers focus on enhancing ...

Jul 27, 2025

Renewable Energy for Data Centers: The Top 5 Solutions

Explore the top renewable energy for data centers. Discover how solar, wind, batteries, fuel cells, and microgrids improve reliability.

Nov 16, 2025

The Top 10 Most Sustainable Data Centre Companies

Discover the top 10 most sustainable data centre providers leading the way in green energy, efficiency, and innovation for a greener future.

Sep 24, 2025

Green Data Centers: Cooling, Clean Energy & Circular IT

Explore how green data centers cut energy use, integrate clean power, optimize cooling, and enable circular IT for a low-carbon, resilient digital future.

Oct 26, 2025

Green Data Centers

Many companies aim to have efficient, green data centers, and here is a list of the top performers. There are a lot of renewable resources such as solar, wind, geothermal, and hydroelectricity that help to ...

May 22, 2026

Top 10 Sustainable Data Centre Companies

Explore how green data centers cut energy use, integrate clean power, optimize cooling, and enable circular IT for a low-carbon, resilient digital future.

Jun 15, 2026

Top 10: Data Centres Using 100% Renewable Energy

From Portugal to Las Vegas, here are the world's 10 largest data centres powered entirely by renewable energy, ranked by total IT capacity and innovation. Data centres power the ...

Sep 19, 2025

Best Practices Guide for Energy-Efficient Data Center Design

This guide provides an overview of best practices for energy-efficient data center design which spans the categories of information technology (IT) systems and their environmental conditions, data center ...

Sep 05, 2025

Top 10: Sustainable Data Centre Companies

Unless sustainability is integrated into their design, data centres will account for more energy consumed than the entire aviation industry. In this ...

Feb 05, 2026

Top 10 data centres using green energy

As data centres across the world balance demand surges with sustainability, we explore the top 10 data centres pioneering green energy solutions. It's no secret that the world's data ...

Dec 22, 2025

Top 10 Sustainable Data Centre Companies

Here are the top choices for sustainable data centres from the world's most influential technology companies: 1. Google Cloud is a real leader in green energy. They became carbon ...

Apr 01, 2026

Green Data Center – The Complete Guide for 2025

Integrating renewable energy, advanced cooling technologies, and modular designs are essential strategies for ...

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

