



Sustainable technology company for energy

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Companies across the energy sector have spent recent years firmly shifting their focus toward renewable sources and ensuring their operations are as efficient and environmentally conscious as possible. And that can not be more truthfully said for the 10 companies that make up this month's Top 10.

For April, we're focusing on the leading sustainable companies operating in the energy space and the contributions they are making to paving a path to a greener future. Whether that be through promoting energy conservation or offering solutions to reduce carbon footprint, the showcasing of eco-friendly practices and implementation of green initiatives not only benefits the companies themselves, but sets a mark for others to follow in their footsteps.

Engaged in the development of hydrogen fuel cell systems that replace conventional batteries in equipment and for the likes of EVs, Plug Power positions itself and its workforce as trailblazers and innovators. As stated in its latest ESG report, Plug Power's commitment to sustainability "goes hand in hand with our company's mission to displace diesel and

other fossil fuels with the accelerated use of green hydrogen as we transition to a global net-zero economy". The brand is focused on leading the green hydrogen industry to minimise the impact of climate change.

Siemens Gamesa's Sustainability Vision 2040 outlines the company's ambitious objectives and pledges when it comes to environmental responsibility. The company, which achieved carbon neutrality in 2019, continues to strive in going beyond this achievement and aims to become climate positive by 2040 -- removing more CO₂ from the atmosphere than it emits. It aims to do this through a number of methods, including microalgae that absorb CO₂ from the atmosphere and hydrogen-powered reach stackers.

Producing 64.2 TWh of clean energy in 2022 alone, Enphase boasts a wealth of sustainability credentials. More than three million systems, like solar panels, have been deployed and more than 815MWh of storage. As a result of its efforts, 45m metric tonnes of CO₂e have been stopped from entering the atmosphere, equivalent to the power needed to power 5.7m homes for a year. This also equates to 12,500 thousand wind turbines running for 12 months or 54bn acres of forests being planted across the US in the same time frame.

green energy, Ørsted works across a variety of renewable sectors -- from offshore and onshore wind farms to renewable hydrogen -- to make the future green. The Danish company creates a lasting positive impact while aspiring to do more to improve nature and society, working to give more back than it takes. Ørsted has four main sustainability priorities -- climate, nature, people and governance -- and dedicated sustainability programmes it uses to address key challenges within them.



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With a sustainability strategy stating "sustainability in everything we do", Vestas Group President and CEO Henrik Andersen says: "Sustainability is the business we are in, it's one of the key purposes that our more than 29,000 employees come to work every day -- to make the world a more sustainable place. Now we are embedding sustainability into everything we do as we become the global leader in sustainable energy solutions."

On average, Vestas wind turbines are 85% recyclable, and, as wind turbine rotors consist of a relatively large amount of non-recyclable composite materials, the company is focusing on improving the recyclability of these elements. It is working to increase the recyclability rate from 42% to 50% by 2025, doubling that to 100% by 2030.

Iberdrola aims to reconcile its growth in renewables and grids with the goal of achieving carbon neutrality in Scopes 1 and 2 by 2030 and net-zero emissions before 2040 for all scopes, including Scope 3. Its 2023-2025 Investment Plan is based on more electricity grids and selective growth in renewables, to promote a safe, clean and competitive system that will accelerate the energy transition. The brand prides itself as an international benchmark for sustainability, transforming its business model to make it more sustainable.

By investing in infrastructure and innovative clean energy technology, NextEra is helping to create a sustainable energy future that is affordable, efficient and clean. The company is shaping the future thanks to its smart investments in clean energy, holding the firm belief that sustainability includes, but is not limited to, respecting our environment, delivering outstanding customer value, supporting our communities, empowering its team and growing shareholder value.

President and CEO John W. Ketchum, who has worked for NextEra for more than two decades, says: "Our company has made many ambitious goals. Some, such as reliable and affordable electric service, date from the founding of our company nearly a century ago. Others, such as our new Real Zero goal, keep us focused on what we can achieve in the decades ahead.

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Web: <https://www.sumthingtasty.co.za/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

