



Microgrid News Latest News

Are microgrids the future of energy?

The future of energy is here: microgrids and demand-side flexibility programs continue to usher in innovations that trend toward a better tomorrow. Here are the top trends we expect to see in demand-side flexibility programs and microgrids in 2024:

How will the microgrid Revolution change DC's energy future?

Despite remaining challenges, such as standardization and training, continuous advancements pave the way for DC's dominance, shaping a brighter and cleaner future for energy. The microgrid revolution has already empowered many innovative, ambitious organizations to take control of their energy future.

Why are microgrids embracing DC?

Microgrids are embracing DC to become more independent, flexible, and cost-effective. Despite remaining challenges, such as standardization and training, continuous advancements pave the way for DC's dominance, shaping a brighter and cleaner future for energy.

How will a microgrid change the world in 2024?

This will enable more small and medium-sized commercial and industrial customers to afford the benefits of microgrids. The standardization breakthroughs that occurred in 2023 will continue in 2024, driving exponential growth in investment and innovation across an expanding ecosystem of system vendors and integrators.

Will a new microgrid help a community center?

The city of Fort Collins, Colorado has deployed a new microgrid on a community center. It will provide resilience in emergencies, aid in carbon reduction and provide grid services to the municipal utility. UL Solutions is a proud supporter of the 2023 Renewable Energy Grid Integration Week.

Can microgrids power cell towers in Africa?

Microgrids have proven to be crucial for powering cell towers in Africa, where mobile phone technology leapfrogged over landlines in the past few decades. Ugandan engineer Nelson Tashobya explains how he has used HOMER Pro to design renewably-powered microgrids that save on diesel fuel costs and provide reliable power in remote locations.

Utility approaches to renewables and energy storage have shifted in the past two years, as detailed in WoodMackenzie's latest Energy Storage Monitor report, which indicates a majority of US utilities are embracing renewables and storage due to favorable costs and state-level clean energy policies. As a result, the report shows that the US storage market is set to ...

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The latest news on microgrids and distributed energy worldwide from HOMER Energy. Follow Report this product About us HOMER Energy designs and develops energy modeling software for the planning ...

In the battle to ensure the UK becomes more energy self-sufficient, microgrids are emerging as a powerful weapon. The UK's strategy is to reach net zero by 2050, and the government has issued energy providers with a bold target: to ensure that all electricity comes from 100% zero-carbon generation by 2035.. What exactly are microgrids, and why are they gathering so much ...

A Charles Sturt University research team is exploring the important role of community microgrids and their environmental, social and economic benefits; Microgrid business models, ownership structure, and project financing are still in the development stage and are not well understood, and these are active areas of research; The research team's projects have ...

National electricity grids are vulnerable to extreme weather events and can leave entire regions without power. Microgrids can deliver better energy security in a warming world.

Flow batteries are considered excellent choice for large-scale energy storage projects for a number of reasons, but primarily because they can cycle for multiple short periods daily, for about 30 years while maintaining an even performance. The Energy Superhub Oxford will install the UK's first transmission-connected battery, a lithium-ion/vanadium flow battery, ...

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The Latest Technology Developments for Microgrids, Monday October 7th. Paul Dailey, ... Subscribe to HOMER Microgrid News: Upcoming Events: Microgrid Knowledge Conference 2024. Baltimore, Maryland - April 22-24, 2024. 8th International Hybrid Power Plants & Systems Workshop.

Nestled in the Catskills there's a new microgrid that defies the usual value propositions. It's an outlier of a project because microgrids are normally built for different reasons - to bring power in developing countries to people who depend on unreliable or non-existent grid infrastructure; to save on delivering expensive diesel fuel to islands or other remote locations; ...

One of our latest projects, funded by the Asian Development Bank (ADB), aims to bring electricity to some of the nearly 40,000 people who live in remote villages dotted across the hundreds of islands in the Federated ...

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Siemens and the New York startup LO3 Energy are collaborating in the field of innovative microgrids. The goal of the collaboration is to jointly-develop microgrids that enable local energy trading based on ...

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PowerSecure, a leading provider of innovative energy solutions and subsidiary of Southern Company, is proud to announce that its Durham campus microgrid will begin a 100% Renewable Fuel Initiative ...

The microgrid clustering allows the two microgrids to operate islanded from the main utility grid but connected to each other, with each microgrid having its own controller. The ...

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The new 2023 Think Microgrid report ranking state policy support for microgrid technology explained that because of a microgrid's ability to deliver improved resiliency in the face of extreme weather events and accelerate the integration of clean energy into the national electric grid, these systems have a unique role to play in the transition to a cleaner, more electrified grid.

Many of the articles we've shared on Microgrid News over the past 12 months reflect this as they provide meaningful glimpses into the lives of people, projects, and technologies making a difference worldwide. As this year ...

The weather-related impacts of climate change will increasingly threaten critical infrastructure in the future. Shifting electricity grids towards microgrids could help.

According to the latest research by Wood Mackenzie, investment in the Puerto Rican microgrid market is soon expected to top \$400 million, more than doubling by the end of 2024. ... Subscribe to HOMER Microgrid News: Upcoming Events: Microgrid Knowledge Conference 2024. Baltimore, Maryland - April 22-24, 2024.

Get the latest on how to maximize project value and accelerate the design-to-build process. ... Hosted by Microgrid Knowledge, the world's largest news site dedicated to all things microgrid, Microgrid 2022 is the one microgrid conference you will not want to miss. Don't miss our special HOMER Technology Workshop on June 2, 2022. The ...

The duck curve graph has been getting a lot of attention lately. It shows the expected net load on a Spring day



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in California as the amount of solar increases on the grid. There are two big problems that it illustrates. During the belly of the curve, utilities will have a lot of inflexible thermal resources running inefficiently at minimum load, possibly requiring the ...

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The homes are equipped with the latest energy technologies and will help the utility better understand the integration between rooftop solar, in-home battery storage and the traditional electric grid as well as how homeowners interact with their connected devices and high efficiency technologies. ... Subscribe to HOMER Microgrid News: Upcoming ...

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