



Aries energy llc alternative renewa

What is Aries clean technologies?

The primary challenge with implementing this vision has been technological. "Our new name, Aries Clean Technologies, more fittingly represents what we offer - patented innovations around clean, sustainable technologies that leverage fluidized bed gasification for biosolids, and downdraft gasification for wood waste," said Bafalis.

Are Aries gasification systems environmentally friendly?

Aries' proprietary gasification solutions provide numerous environmentally friendly and sustainable benefits, including: Aries Clean Technologies, based in Franklin, Tennessee, develops, designs, and builds innovative proprietary fluidized bed and downdraft gasification systems and projects using its eight patents granted to date.

How does Aries gasification work?

With eight patents, 10 years of product development and operating experience, and two full-scale, operational facilities, Aries' gasification solutions divert biosolids and biomass from landfills and convert them into clean energy and useful byproducts - biochar and Bio-Fly-Ash(TM).

How does Aries affect wastewater treatment?

More specifically, Aries is disrupting the process that occurs after you flush, when waste is converted into biosolids at wastewater treatment plants, with limited options for disposal.

The transition to renewable energy takes innovation, financial commitment, policy leadership and another critical element- land. There can be no wind or solar project without the suitable land to house it. This is Renewa's focus. We work, literally at the ground level, to accelerate the transition to renewable energy.

Advanced Research on Integrated Energy Systems (ARIES) serves as a research platform for new designs of renewable power distribution systems for government and utilities. ARIES helps governments and utilities around the world implement renewable energy, storage, and smart grid technologies for remote and islanded communities.

POWERING A SUSTAINABLE FUTURE Imagine a future where renewable energy is not only feasible but also cost-competitive. With Aries Clean Energy, that future is now. ... ARiES Energy LLC offers the following services: Solar Photovoltaic, Biomass To Energy, LED Lighting & Electrical, Power Conditioning, Grant Writing, Energy Monitoring ...

In the US, Aries Clean Energy LLC was recently joined by local officials and dignitaries to break a wall for New Jersey's first biosolids-only gasification facility. The Aries Linden Biosolids Gasification Facility will bring benefits by processing 430 tons of biosolids daily into clean renewable energy and biochar.



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The National Renewable Energy Laboratory (NREL) is transforming energy through research, development, commercialization, and deployment of renewable energy and energy efficiency technologies. Partner with us to accelerate the transition of renewable energy and energy efficiency technologies to the marketplace.

Founded by Dr. Sohan Roy on 28th March 1998 in UAE, Aries Group was started with its flagship unit, Aries Marine, and then grown to become one of the largest multinational conglomerates in the Middle East with 76 companies operating in 29 countries across the world. Within a short span of 26 years, Aries Group has collaborated with 10,015 national and international clients and ...

The city of Cordova, Alaska, is enhancing the resilience of its microgrid with support from ARIES. The resilience-enhancing technologies include energy storage; controls for hydropower resources; and a fleet of meters, sensors, and advanced zonal controls using smart metering infrastructure to manage recovery, improve resilience, and support the city's fishing economy by serving ...

The project, the world's largest biosolids only gasification plant, has completed environmental permitting and will reduce 400 tons/day of biosolids into 22 tons/day biochar that will be used as a fly ash substitute in concrete (image ...

US gasification technology providers Aries Clean Energy LLC has recently received all approvals required to construct New Jersey's first pure biosolids gasification facility. The plant will bring environmental and sustainable benefits to the area by processing 400 tons of biosolids daily into clean renewable energy.

The village was one of the first communities to directly benefit from ARIES' hydropower emulation platform, which, like the rest of ARIES, relies on hardware and software to accurately simulate the town's spiderweb of energy devices. ARIES' software programs, which are built on real-world data, can mimic actual grids (like Cordova's microgrid), so researchers can ...

This work was authored by the National Renewable Energy Laboratory, operated by Alliance for Sustainable Energy, LLC, for the U.S. Department of Energy (DOE) under Contract No. DE-AC36-08GO28308. Funding provided by U.S. Department of Energy Office of Energy Efficiency and Renewable Energy Hydrogen and Fuel Cell Technologies Office.

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Renewable Energy Hydrogen and Fuel Cell Technologies Office.

The Advanced Research on Integrated Energy Systems (ARIES) platform is designed to be highly flexible, with the ability for industries to "plug and play" different technologies into the core system. ... NREL engineers designed a research platform with 40 Siemens inverters to show how renewable energy devices can provide resilience by ...

Aries Clean Energy started in 2010 as PHG Energy, funded by the owners of a multi-state Caterpillar dealership to further develop a patented gasification technology already in full commercialization and proven as a viable method of cleanly converting wood waste to synthetic fuel gas for industrial use. At the forefront of the sustainability movement is an approach that ...

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The ARIES External Advisory Board provides an external perspective from industry, academia, and other government agencies and programs to NREL, the U.S. Department of Energy, and the Office of Energy Efficiency and Renewable Energy on the research direction, development, and deployment of the ARIES research platform.

Operated by the Alliance for Sustainable Energy, LLC NREL/FS-6A42-89332 o March 2024 Leveraging ARIES to Get from Research to Reality ... Hybrid power plants maximize value of renewable resources. With the ARIES platform, NREL demonstrated how hybrid clusters of solar PV, wind turbines, batteries,

The IRA support implies that Aries Grid can be utilized with renewable energy capabilities to provide baseload generation, a previously cost-prohibitive exercise in many markets. Leveraging Aries transportation 79-kWh battery pack of ONE, Aries Grid will be offered in 2, 3, and 6 MWh modular units that allow for system customization.

What started as a vision paper and skillful controls for power flow is now influencing all fronts of the transition to clean and secure energy systems. The National Renewable Energy Laboratory's (NREL's) Autonomous Energy Systems work has been used commercially, applied in cross-cutting demonstrations, and is continually pushing the scientific ...

Renewa is partnering with the Center for Agricultural Resilience (CFAR) to offer a scholarship opportunity aimed to support individuals interested in sustainable land use and renewable energy practices, particularly focusing on the innovative approach of solar grazing. The scholarship makes it possible for worthy applicants to attend boots-on-the-ground training that is only ...



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