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Pintail Power"s patented Concentrated Solar Combined Cycle(TM) (CSCC) technology is similar to LSCC but uses heat from the CSP field rather than electricity to charge thermal energy storage. Many heat sources can be used because the CSCC technology upgrades the energy by using exhaust heat from a combustion turbine to superheat steam to a ...

Applications ACHIEVING THE VISION Reliable and Cost-Effective Transmission Connected Storage Islands and Remote Locations Distribution Microgrids C& I Microgrids Whether at a greenfield site or as an upgrade to existing assets, ...

Pintail Power. info@pintailpower ; Linkedin Twitter. APPLICATIONS; TECHNOLOGY. Liquid Salt Combined Cycle; Liquid Air Combined Cycle; ... 2023 Combined Heat and Power (CHP) systems currently deliver over 82 gigawatts of cleaner, cheaper power to more than 4700 industrial, institutional and commercial facilities across the U.S. ...

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Company COMMITMENT TO A LOW-CARBON FUTURE Experience and Skill Our patented and propriety systems provide market-leading fuel efficiency and energy storage economicsPintail Power LLC aims to deliver the least-cost and best-fit solutions for integrating renewable energy with the utility grid to increase efficiency, capacity, flexibility, reliability, and utilization of grid ...

California Energy Storage Alliance (CESA) is a 501c(6) membership-based advocacy group committed to advancing the role of energy storage in the electric power sector through policy development, education, outreach, and research.

FISHER Flexible Integration of Stored Heat and Electric Resources (FISHER) Pintail Power"s FISHER (Flexible Integration of Storage, Heat, and Electrical Resources) is a hybrid generation and storage technology for industrial, institutional and commercial applications. The FISHER system enables Combined Heat and Power (CHP) systems to flexibly produce steam, hot ...

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ENERGY SECURITY, ECONOMIC SAVINGS, LOWER EMISSIONS (Palo Alto, California--March 28,

2022) Confronted with accelerated timelines to dramatically reduce carbon by 2030 while maintaining reliability during seasonal and extreme weather events, a new study for the U.S. Department of Energy"s National Energy Technology Laboratory (NETL) offers ...

Pintail Power hybrid thermal storage options fill the daily and seasonal variability gaps of wind and solar. We enable a reliable transition to aspirational clean energy targets with systems that complement batteries and can use lower ...

Pintail Power Combines Solar, CSP, & Conventional Generation Into One Highly Efficient System. Articles / December 7, 2017 . There has been a lot of talk lately about renewable energy not being up to the task of supplying reliable baseload power. The sun doesn"t always shine and the wind doesn"t always blow, detractors claim, so how can ...

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POWER Magazine 12/02/2019 By Pintail Power founder, Bill Conlon, PE, PhD. Low asset utilization is an increasing financial challenge for both conventional and renewable assets, which are sometimes curtailed due to over-generation at various times of day. Integrating large-scale thermal energy storage with combustion turbines in a Liquid Salt ...

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The company provides utility-scale storage of renewable or low-cost power, in a scalable, modular, compact and easily sited plant and their dispatchable solar combined cycle (DSCC) adds storage and firm capacity to solar thermal power plants to increase power output and add time-shift capability to the renewable power usage, enabling users to ...

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Pintail Power has been operating in stealth mode over the last few years: researching the needs of power producers and load serving entities, patenting a portfolio of technical concepts, refining product line opportunities, building relationships with equipment vendors and EPC contractors, and working within professional associations to develop technical standards to guide a mix of ...

Sustainability breakthrough for weekly, monthly, or seasonal energy storage dramatically reduces use of scarce water resources, hydrogen fuel, and liquid air storage medium (Palo Alto, California)-July 28, 2021 U.S. Patent No. 11,073,080 entitled HIGH PRESSURE LIQUID AIR POWER AND STORAGE was granted to Dr. William M. Conlon, the founder and president of ...

In 2022, the US patent was granted to Dr. William M. Conlon, the founder and president of Pintail Power LLC. This latest patent extends Pintail"s Liquid Air Power and Storage (LAPS(TM)) technology platform to shorter duration applications by using cryogenic liquid air to increase the power output of simple and combined cycle power plants.

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Energy Storage Accelerates Combined Heat and Power Decarbonization Announcements / December 18, 2023 (Palo Alto, California)-December 18, 2023 Combined Heat and Power (CHP) systems currently deliver over 82 gigawatts of cleaner, cheaper power to more than 4700 industrial, institutional and commercial facilities across the U.S.

Pintail Power has announced a new patented technology that combines solar and conventional power generation with molten salt thermal energy storage to deliver low-carbon dispatchable power. The result is the production of more than ten times as much solar energy as in previous Integrated Solar Combined Cycle power plants, delivery of solar ...

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