



Pci energy storage

What is a PCI fuel cell system?

PCI is developing a family of ultra-compact solid oxide fuel cell systems. These systems utilize Microlith's reformers to run on logistics fuels. PCI's systems are stack agnostic and can be adapted to both SOFC and HTPEM applications. PCI's technology is readily scalable to small and large systems.

What products does PCI develop?

PCI is in various stages of developing other new products than those in its primary product groups (fuel processors, air cleaners, combustors and burners/oxidizers): Advanced Cetane Analyzer, Catalytic Glow Plugs, Chemical Reactors, and Catalytic Convertors. Precision Combustion is developing a variety of technologies for aerospace applications.

Can PCI convert diesel fuel into electricity?

PCI has developed lightweight, portable commercial-off-the-shelf-based systems proven capable of converting logistics diesel-type fuel into electricity with no loss in performance or accelerated wear compared to the gasoline-powered generator it is derived from.

What types of fuels does PCI manufacture?

PCI has several very small to medium sized catalytic burner products in development for a variety of fuels including diesel, JP-8, natural gas, biofuels, propane, methanol, ethanol, fuel cell anode exhaust, and hydrogen. PCI has also developed, manufactured and delivered oxidizers for spacecraft ECCLS as well as PEM and SOFC fuel cell systems.

What is PCI's New batterytrader platform?

Get an inside look at PCI's new BatteryTrader platform -- built to automate bidding and optimize battery fleet performance across ISO markets using advanced analytics and strategy simulation tools.

As the energy landscape changes with the increased deployment of batteries, we gain valuable insights into the intricate dynamics of coupled energy systems.

Discover strategies to maximize battery ROI in ISO/RTO markets. Learn how automation, forecasting, and smarter bidding can boost BESS performance across energy and ...

PCI is the premier provider of software, superior customer support, and value-added services for energy companies worldwide. The all-in-one platform for ...

Battery energy storage ancillary services For many developers and owners, the value streams created by offering the battery energy storage ...



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In this free webinar, PCI experts will cover what market participants can do to maximize their Electronic Storage Resource benefits.

Long-term (e.g., weekly or longer) energy storage is required to cover contingency with extensive renewable resource penetration. Today's ...

Energy storage optimization & trading Battery storage is vital for managing intermittent renewable generation and enhancing portfolio performance. PCI's ...

PCI has developed lightweight, portable commercial-off-the-shelf-based systems proven capable of converting logistics diesel-type fuel into electricity with no loss in performance or accelerated ...

Energy storage optimization & trading Battery storage is vital for managing intermittent renewable generation and enhancing portfolio performance. PCI's solutions empower you to optimize ...

As battery storage plays an increasingly vital role in the energy transition, maximizing its revenue potential is crucial. PCI Energy Solutions is ...

Abstract This report presents the developed Cost-Benefit Analysis (CBA) methodology for candidate energy storage projects, in compliance with the requirements set in the Regulation ...

FERC issued its Final Rule on Energy Storage Participation on February 15th of this year to enable participation of Energy Storage Resources in wholesale markets. FERC ...

Energy storage technology is key to securing energy dominance and bolstering national security. Advances by this NSF Engine will be essential to ensuring that transition is technically ...

There is a new change to the wind performance data reporting that differs from conventional GADS where energy storage located within the ...

Long Duration Storage Hydrogen's storage potential far exceeds the capacity and duration of any utility-scale battery. Electrolyzers can produce ...

Gas Storage Denmark is proud to be a player in the Green Hydrogen Hub Denmark, a cutting-edge energy infrastructure PCI-project that aims to help accelerate Europe's green energy ...

Learn how PJM's Installed Reserve Margin (IRM) ensures system reliability, mitigates risks, and adapts to renewable energy and storage trends.

Learn how to find nodal assignment information for battery storage systems in CAISO using interconnection queues, market registration ...



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Product Webinar Can hydrogen help decarbonize your turbine fleet? Explore how PCI and Entergy are evaluating hydrogen blending strategies to reduce emissions, preserve capital ...

North Haven, CT (February 13th, 2025) - Precision Combustion, Inc. (PCI) announced today that it has been awarded a NASA Small Business ...

As the deployment of battery capacity surges, the energy landscape is undergoing a remarkable transformation, including an energy storage revolution. Our goal is to ...

The concept of storing cheap, off-peak electricity to serve on-peak demand isn't new. Technologies like compressed air and pumped storage hydro have been around for ...

Learn how MISO determines capacity accreditation for thermal, renewable, demand response, and storage resources using ELCC studies and ...

North Haven, CT (September 28th, 2023) - Precision Combustion, Inc. (PCI) announced today that it has won a Small Business Innovation Research (SBIR) Phase I award from the Navy to ...

New to energy trading and risk management? This quick guide breaks down the basics -- from trading and logistics to risk strategy and ...

The energy landscape is transforming at an unprecedented pace: anticipated growth in electricity demand, expansion of all types of energy ...

Devin Elverdi, ETRM product manager at PCI Energy Solutions, explains why energy software evolves faster than published materials -- and what that means for learning. ...

Learn how PJM determines the RPM capacity auction cap, its role in market competitiveness, and recent changes to capacity auction rules.

Disclaimer: This blog post, which answers "Explain bid cost recovery (BCR) in organized electricity markets," was generated using PCI's ISO/RTO Documentation AI ...

PCI will develop a progressive energy storage system via an efficient and advanced electrochemical device. Even the best battery chemistries can only enable ~0.5 ...



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