How can Portugal meet growing energy demands in a sustainable way?

Meanwhile,the rapid expansion of hydroelectric and solar energy capacityis helping Portugal meet growing energy demands in a sustainable way. These efforts align with European Union objectives,such as the RePowerEU plan and the Renewable Energy Directive,which targets 42.5% renewable energy in total consumption by 2030.

How can Portugal contribute to global climate goals?

As Portugal advances its renewable energy agenda,it is not only contributing to global climate goals but also creating new economic opportunities.

Why is Portugal getting a EUR1 billion aid package?

The recent approval of a EUR1 billion aid package from the European Commission to support the production of green equipmentin Portugal highlights the momentum behind the country's green transition.

Frequently Asked Questions about Grid Enhancing Technologies What are Grid Enhancing Technologies? GETs are hardware and software that increase the capacity, efficiency and/or reliability of the transmission grid. Dynamic Line a?|

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In addition, Federal Energy Regulatory Commission Order No. 2023 issued last July now requires transmission providers to consider opportunities to deploy GETs in the resource interconnection process, which may result in additional projects. Grid-enhancing technologies are achieving greater maturity and are an important part of the equation as we continue to seek a?|

Grid-enhancing technologies (GETs) can promote efforts to increase the capacity, efficiency, reliability, and safety of existing transmission lines. GETs are hardware and/or software that can reduce congestion costs and improve integration of renewables while increasing capacity and reliability. According to the U.S. Department of Energy, GETs

This project will develop grid-enhancing technologies that help integrate large amounts of electricity from offshore wind while enhancing electrical grid resilience. Specifically, it will analyze long power lines in Massachusetts using sensors to see how well these new technologies work in real life, especially with the nation's first utility

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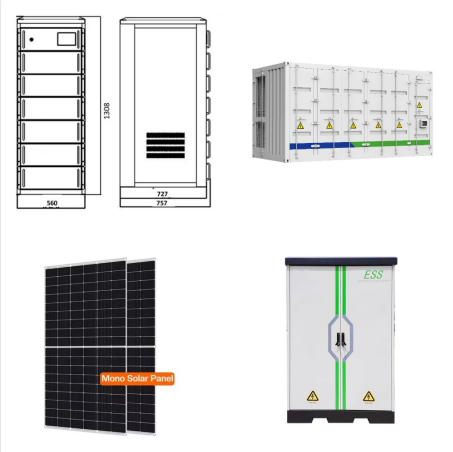
evaluate, select, plan, and deploy grid-enhancing technologies . PROJECT RESULTS AND BENEFITS a?c Develop guidance and strategies to . plan and operate grid-enhancing technologies a?c Provide training and tools to increase utility confidence when adopting grid-enhancing technologies a?c Conduct laboratory testing of emerging



Grid-enhancing technologies (GETs)encompass a broad range of hardware and software tools that enable reconfiguration of the transmission grid and adjustment of its parameters. The proliferation of

compasslexecon Opportunity: 1Innovative Grid Technologies (IGTs) can support the required network buildout Note: [1] The US term 3Grid Enhancing technologies' can also be use to describe technologies that 3maximise the transmission of electricity across the existing system through a family of 6 technologies that include sensors, power flow control a?|

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Grid-enhancing technologies (GETs) can promote efforts to increase the capacity, efficiency, reliability, and safety of existing transmission lines. GETs are hardware and/or software that can reduce congestion costs a?|

During the process, FERC staffers wanted to avoid writing out the full names of the technologies in their documents. So, they coined a brand-new namea??grid-enhancing technologies, or GETsa??that was first publicly aired in a request for comments following a technical workshop in November 2019. "We were happy with it," Gramlich says.

a?? The Working for Advanced Transmission Technologies (WATT) Coalition announced today that it would host its first annual Grid Enhancing Technologies (GETs) Summit in conjunction

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We believe that its ambition could be even better met in insisting more on the value add of Grid-Enhancing Technologies (GETs) for the existing grid, but also for reinforcement and future a?|

Grid Enhancing Technologies (GETs) are of special focus right now among utilities, policy makers and technologists. GETs are designed and deployed with a singular purpose: dramatically reduce or eliminate congestion on power lines. One particular cost effective "GETs" technology in focus is the use of DLR or Dynamic Line Ratings which offer

Grid-enhancing technologies (GETs) encompass a broad range of hardware and software tools that enable reconfiguration of the transmission grid and adjustment of its parameters. The proliferation of such technologies enhances transfer capability over the current transmission network, thus reducing the need for grid expansion. This paper offers a

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When developing transmission expansion strategies to achieve these ambitious goals, Grid-Enhancing Technologies ("GETs") should be part of the solution2. These technologies. represent a new model for increasing grid infrastructure by unlocking additional capacity on the existing

ARLINGTON, Va., June 8, 2023 /PRNewswire/ -- The AES Corporation (NYSE: AES) and LineVision, Inc., today announced the launch of a joint project to assess how Grid Enhancing Technologies (GETs

The "Advancing Grid Enhancing Technologies" (GETs) Act has been introduced in the US to boost investments in these technologies. The legislation, proposed by Peter Welch of Vermont and Angus King of Maine in the Senate and Kathy Castor of Florida, Paul Tonko of New York and Scott Peters of California in the House of Representatives, requires the Federal a?|

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Grid-Enhancing Technologies (GETs) are hardware and/or software that can increase the capacity, efficiency, reliability, or safety of existing transmission lines Grid Enhancing Technologies (GETs) can be deployed on the bulk system to improve transmission limits 2 Can be deployed quicker than building new transmission

Grid-Enhancing technologies (GETs) increase the capacity and flexibility of the electric transmission system. The combined value of dynamic line ratings (DLRs), advanced power flow control, and topology optimization makes the round hole of the transmission system square enough to handle twice as much renewable energy development as it can without GETs.

Eneida: Reducing grid outages. Led by Carlos Pina Teixeira, Eneida's solution addresses the challenges faced by grid operators and new energy players. It provides clear situational awareness, detects and locates events and a?|

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The company will use the funds to deploy new grid-enhancing technologies. Credit: Kiri Photography / Shutterstock. Georgia Power has secured $160m from the US Department of Energy (DOE) to bolster the resilience and a?|

The Office of Electricity has released Grid-Enhancing Technologies: A Case Study on Ratepayer Impact, a report focused on the impacts of integrating Grid Enhancing Technologies (GETs) onto existing transmission lines.GETs can defer or reduce the need for significant investment in new infrastructure projects and increase the use of renewables by a?|

The Minnesota legislature has passed a bill adding grid enhancing technologies (GETs) to the state's transmission planning process. In terms of the bill, utilities owning more than 1,200km of transmission lines are required to report on highly congested areas and to evaluate the use of GETs on these, along with presenting a proposed

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Thanks to this transformative funding, DOE is investing in the deployment of many advanced technologies identified in the Liftoff report through the Grid Deployment Office's Grid Resilience and Innovation Partnerships (GRIP) Program, a $10.5 billion grant program that is enhancing grid flexibility and improving the resilience of the power

16 . The European Investment Bank (EIB) and Portuguese electric utilities company EDP have entered two loan agreements totalling a?!700m ($726.8m) for the rollout of renewable a?|

Brattle Principal Bruce Tsuchida, Associate Stephanie Ross, and Research Analyst Adam Bigelow have coauthored a report that analyzes how much additional renewable energy can be added to the electricity grid with Grid-Enhancing Technologies (GETs), using the Southwest Power Pool (SPP) grid as an illustrative case study.

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ANAHEIM, Calif. a?? The National Association of Regulatory Utility Commissioners board has adopted a resolution to emphasize the role grid-enhancing technologies (GETs) and high-performance

compasslexecon Opportunity: 1Innovative Grid Technologies (IGTs) can support the required network buildout Note: [1] The US term 3Grid Enhancing technologies' can also be use to describe technologies that 3maximise the transmission of electricity across the existing system through a family of 6 technologies that include sensors, power flow control a?|

What are Grid Enhancing Technologies? Three technologies can transform the way the grid operates, enabling a reliable energy transition at least cost. GETs are hardware and/or software that dynamically increase the capacity, efficiency, reliability or safety of existing power lines, faster and at lower cost than traditional grid buildout.How do they work?