

Integration with other technologies, such as artificial intelligence and blockchain, may further enhance the capabilities of energy management systems. In conclusion, the IoT-based ...

By intelligently operating distributed energy resources as a Virtual Power Plant (VPP), our FlexiGrid platform delivers the real-time flexibility essential for delivering a decarbonised and decentralised energy system.

Electricity is produced by various companies operating thermal, wind, hydro, and solar power plants, then transported through regulated transmission and distribution grids, and finally delivered to end users by retail ...

This work investigates cross-sector energy demand dynamics at the municipal level, focusing on revealing the relation between social, economic, energy, mobility, and emissions indicators ...

The report concludes that Portugal and Spain have growing installed capacities in solar, wind, and hydropower and "can play a central role in the future European green hydrogen market."

In this regard, this paper proposes a distributed fast voltage regulation method for energy storage systems (ESSs) in distribution networks. Firstly, to reduce the communication burden, the ...

Lisbon, Portugal - 22nd July, 2025 -- EDP, a global leader in the renewable energy sector, and MERLIN Properties ("MERLIN"), the Iberian Peninsula's leading real estate and infrastructure ...

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TotalEnergies has finalised the sale of half its renewable energy assets in Portugal while simultaneously acquiring a 50% stake in AES's renewable portfolio in the Dominican Republic.

Conclusion: Unlocking the Full Potential of Distributed Energy Resources: API Integrations for DER System Interoperability With thoughtfully outlined goals and the right technological ...

Comprehensive power system studies are crucial to the longevity of your operations, and TRC has the hands-on knowledge necessary to complete in-depth analyses of the issues related to your electric delivery system. Our work ...

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