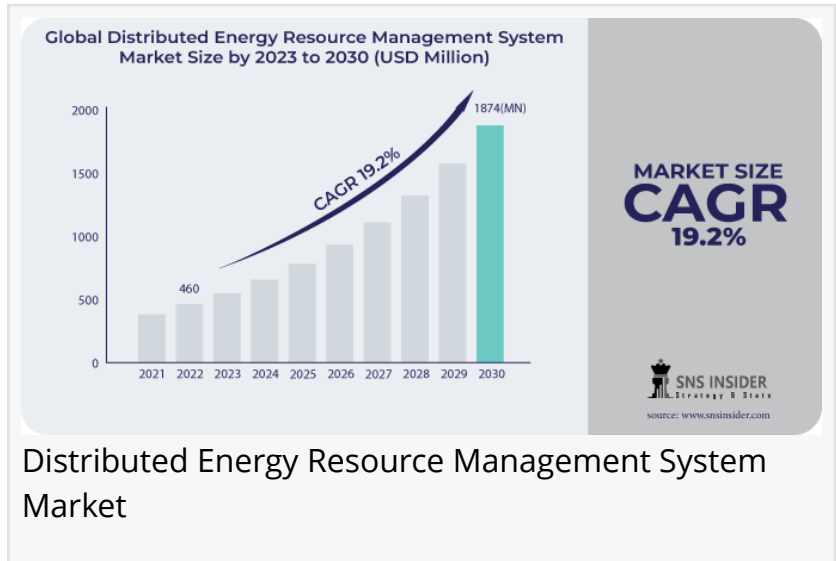


# The Distributed Energy Resource Management System (DERMS) market is projected to reach USD 1874 million by 2030

*Increasing global focus on sustainable energy solutions and the urgent need to decarbonize power distribution, the pressing need for efficient energy management*

TEXAS CITY, TEXAS, UNITED STATES, February 21, 2024 /EINPresswire.com/ -- According to the SNS Insider report, the DERMS market was valued at USD 460 million in 2022. It is anticipated to witness remarkable growth, reaching USD 1874 million by 2030, with a notable CAGR of 19.2% during the forecast period from 2023 to 2030.



Distributed Energy Resource Management System Market

The Distributed Energy Resource Management System (DERMS) market is experiencing a profound evolution, driven by the increasing integration of renewable energy sources and advancements in smart grid technologies. As societies worldwide pivot towards sustainable energy solutions, DERMS emerges as a pivotal tool, orchestrating a diverse array of distributed energy resources such as solar panels, wind turbines, and energy storage systems. This market's landscape is characterized by a surge in demand for flexible, scalable, and interoperable DERMS solutions, empowering utilities and grid operators to effectively manage distributed energy generation, optimize grid stability, and unlock new revenue streams.

“Distributed Energy Resource Management System Market size valued at USD 460 MN in 2022 and is expected to grow to USD 1874 MN by 2030 and grow at a CAGR of 19.2% over the forecast period of 2023-2030.”

*Sr. Researcher Sushant Kadam*

Moreover, the DERMS market is witnessing a paradigm shift fueled by the convergence of artificial intelligence, IoT, and blockchain technologies. These innovations are

revolutionizing energy management practices, enabling real-time monitoring, predictive analytics, and autonomous decision-making within distributed energy networks. As the market matures, emphasis is placed on enhancing DERMS platforms' resilience, cybersecurity, and regulatory compliance to ensure seamless integration with existing grid infrastructures. With dynamic market players innovating to address evolving energy challenges, the DERMS market stands poised for exponential growth, offering unprecedented opportunities for stakeholders across the energy value chain.

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#### KEY PLAYERS:

- Autogrid Systems, Inc.
- General Electric
- ABB Ltd
- Siemens AG
- Schneider Electric
- Spirae, Inc.
- Enernoc, Inc.
- Open Access Technology International, Inc.
- Enbala Power Networks INC.
- Doosan Gridtech, Inc. (Doosan Heavy Industries & Construction)
- Blue Pillar, Inc.
- Other

#### Market Report Scope:

The Distributed Energy Resource Management System (DERMS) is an advanced technology designed to efficiently manage energy resources. Focusing on optimizing distributed energy resources like solar panels, wind turbines, and energy storage systems, DERMS ensures cost-effective and efficient energy generation and consumption. Acting as a powerful software platform, DERMS streamlines the operation of aggregated DERs within a power grid, enhancing overall efficiency and reliability. DERMS offers real-time monitoring and control of energy generation and consumption, enabling utilities to manage resources effectively, reduce waste, and improve system resilience. It integrates various energy resources, providing utilities and energy providers with a sophisticated tool to enhance their energy systems' reliability and resilience.

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#### Market Analysis:

Governments worldwide are investing in smart grid deployments to reduce carbon emissions, aligning with national energy policies. This push towards sustainability, coupled with the growing

demand for electric vehicles, significantly contributes to the DERMS market growth. Recent trends in DERMS include advanced analytics, cloud-based solutions, blockchain integration, and an increased emphasis on cybersecurity. Energy providers leverage advanced analytics to optimize distributed energy resource performance, enhancing overall system efficiency. The global focus on producing energy from renewable sources aligns with DERMS goals. Countries worldwide are emphasizing renewable energy policies, creating a significant demand for DERMS solutions to manage distributed energy resources effectively.

#### Segment Analysis:

##### By Software -

The VPP segment dominates, leveraging cloud-based real-time operational control to enhance efficiency. The management & control software aids in remotely managing distributed energy resources, ensuring operational regulation and quick fault identification.

##### By Application -

The Solar PV units segment registers a higher CAGR, driven by the global shift towards renewable energy. Government mandates, policies, and increased investments in distributed energy resources contribute to the segment's growth.

##### By End User -

The industrial and utilities segment emerges as the most significant contributor, growing at a fast rate. The industrial sector's increasing power demand and the necessity for effective power utilization drive the DERMS market in this segment.

#### Key Regional Development

The Asia Pacific region leads the DERMS market, fueled by substantial government investments in renewable energy projects. The region's increasing power generation activities and the rapid expansion of solar and wind installations further contribute to its dominance.

North America is expected to show lucrative growth, primarily driven by the U.S. government's investments in renewable projects and the commitment to achieving net-zero emissions by 2050.

Key Takeaway for the [Distributed Energy Resource Management System Market](#) Study: DERMS Market to Reach USD 1874 million by 2030.

Virtual Power Plants (VPP) Software Segment Holds Largest Market Share.  
Solar PV Units Witnessing Higher Growth Rate.

Industrial and Utilities Driving Market Expansion.

Recent Developments:

In 2022, Awesense Wireless Inc. partners with Kitu Systems Inc. to accelerate DERMS deployment, focusing on overcoming data model inaccuracies and enhancing real-time visibility.

In 2022, Generac's DERMS selected by Dominion Energy Virginia to manage grid reliability, incorporating behind-the-meter consumer devices and other capacity resources.

In 2022, Itron links IoT with Samsung's smart platform for an improved DERMS, providing real-time consumption data and comprehensive energy consumption insights.

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Akash Anand

SNS Insider

+1 415-230-0044

info@snsinsider.com

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