

# Blockchain Technology in the Energy Sector Market to Attain US\$ 547,877.09 Million by 2034, Showing a 75.5% CAGR

Attack on problems such as inefficiencies in energy trading is a prominent factor driving blockchain technology in the energy sector market.

NEW YORK CITY, NY, UNITED STATES, February 12, 2025 /EINPresswire.com/ -- The [blockchain technology in the energy sector market](#) forecast for 2034 is a specialized study of the industry with a specific concentration on the global market trend analysis.

Blockchain technology is a distributed ledger technology that allows for secure and transparent transactions. It is being used in various industries, including energy, healthcare, and finance. In the energy sector, blockchain is being used to streamline energy trading, reduce costs, and improve efficiency. The market is expected to grow significantly in the coming years, driven by the increasing demand for clean energy and the need for more efficient energy trading platforms.



Blockchain technology is a distributed ledger technology that allows for secure and transparent transactions. It is being used in various industries, including energy, healthcare, and finance. In the energy sector, blockchain is being used to streamline energy trading, reduce costs, and improve efficiency. The market is expected to grow significantly in the coming years, driven by the increasing demand for clean energy and the need for more efficient energy trading platforms.

“

Blockchain sanctions homologous energy trading, real-time observation, and smooth amalgamation of green energy sources.”

*Polaris Market Research*

Without utilizing a consolidated negotiator, the blockchain showcases the possibility of legitimizing, obtaining, and impulsively enhancing energy undertakings among producers, suppliers, and consumers. It has also been demonstrated as an accommodating instrument for utilizing and relinquishing electricity on a local loop.

For more information, visit [https://www.polarismarketresearch.com/industry-analysis/blockchain-technology-in-the-energy-sector-market/request-for-sample?utm\\_source=EIN&utm\\_medium=EIN&utm\\_campaign=EIN&utm\\_id=01](https://www.polarismarketresearch.com/industry-analysis/blockchain-technology-in-the-energy-sector-market/request-for-sample?utm_source=EIN&utm_medium=EIN&utm_campaign=EIN&utm_id=01)

[analysis/blockchain-technology-in-the-energy-sector-market/request-for-sample?utm\\_source=EIN&utm\\_medium=EIN&utm\\_campaign=EIN&utm\\_id=01](#)

As it augurs contemporary solutions to issues in the energy sector, several firms are acquiring blockchain for their energy businesses, such as for renewable energy, impacting blockchain technology in the energy sector market growth favorably.

□□□ □□□□□ □□□□□□□□□□ □□□□□□□□□□ □□ □□□ □□□□□□ □□□□□□?

The spearheading firms dominate the market through a mix of invention, tactical alliances, and extensive funding in decentralized energy solutions. Here are some of the leading players in the blockchain technology in the energy sector market:

- Accenture
- ConsenSys
- Energy Web Foundation
- Ethereum Foundation
- Grid+ (GridPlus)
- Honeywell
- IBM
- LO3 Energy
- Microsoft
- Power Ledger

□□□□ □□ □□□ □□□□□□ □□□□□□□□□□□□□□ □□ □□□ □□□□□□ □□□:

- In August 2023, Powerledger declared the instigation of a public blockchain for the energy sector. It seeks to confront the provocations linked with the amalgamation of renewable energies into the power grid.
- In August 2023, Gitcoin declared its association with Shell to push the acquisition of renewable energy through the usage of blockchain technology.

□□□□□□□ □□□ □ □□□□□□□□ □□ □□□□ □□□□□□ □□□□□□ □□□□□□□□□:

[https://www.polarismarketresearch.com/industry-analysis/blockchain-technology-in-the-energy-sector-market/request-for-discount-pricing?utm\\_source=EIN&utm\\_medium=EIN&utm\\_campaign=EIN&utm\\_id=01](https://www.polarismarketresearch.com/industry-analysis/blockchain-technology-in-the-energy-sector-market/request-for-discount-pricing?utm_source=EIN&utm_medium=EIN&utm_campaign=EIN&utm_id=01)

□□□□'□ □□□□□□□ □□□□□□ □□□□□□□□?

□□□□□□□□□□□□□ □□□□□□□□□□: Blockchain eases direct transactions between energy makers and consumers, diminishing negotiators and decreasing prices by generating a decentralized framework. This improves functional efficacy and also authorizes prosumers to contest in energy markets.

□□□□□□□□□□□□□□ □□□□□□□□□□: Decarbonisation endeavors ignited by worldwide allegiance to obtain net zero discharge have speeded up the acquisition of blockchain-dependent solutions to improve transparency in tracing carbon footprints and green energy usage. This, in turn, is having a favorable impact on blockchain technology in the energy sector market sales.

Governments, private ventures, and startups are diligently capitalizing on blockchain to smoothen and encourage renewable energy certificates (RECs), thus pushing market development.

North America accounted for the largest blockchain technology in the energy sector market share. The region's robust growth is primarily due to a progressive technological framework and reassuring government policies.

Asia Pacific is anticipated to witness significant growth from 2025 to 2034. This can be attributed to the growing energy demands in surfacing economies such as China and India.

For more information, visit [https://www.polarismarketresearch.com/industry-analysis/blockchain-technology-in-the-energy-sector-market/inquire-before-buying?utm\\_source=EIN&utm\\_medium=EIN&utm\\_campaign=EIN&utm\\_id=01](https://www.polarismarketresearch.com/industry-analysis/blockchain-technology-in-the-energy-sector-market/inquire-before-buying?utm_source=EIN&utm_medium=EIN&utm_campaign=EIN&utm_id=01)

By Technology Outlook

- Blockchain-as-a-Service (BaaS)
- Smart Contracts
- Cryptocurrency & Tokens
- Distributed Ledger Technology (DLT)

By Application Outlook

By End User Outlook

- Energy Trading
- Renewable Energy Certificate (REC) Trading
- Peer-to-Peer (P2P) Energy Trading
- Grid Management
- Carbon Credit Management

By End User Outlook

- Utilities
- Government & Regulatory Bodies
- Commercial & Industrial
- Residential

By Region Outlook

- North America
  - o US
  - o Canada

- Europe
  - o Germany
  - o France
  - o UK
  - o Italy
  - o Spain
  - o Netherlands
  - o Russia
  - o Rest of Europe

- Asia Pacific
  - o China
  - o Japan
  - o India
  - o Malaysia
  - o South Korea
  - o Indonesia
  - o Australia
  - o Vietnam
  - o Rest of Asia Pacific

- Middle East & Africa
  - o Saudi Arabia
  - o UAE
  - o Israel
  - o South Africa
  - o Rest of the Middle East & Africa

- Latin America
  - o Mexico
  - o Brazil
  - o Argentina
  - o Rest of Latin America

□□□□:

How much is the blockchain technology in the energy sector market?

The global market was valued at USD 2,005.62 million in 2024 and is projected to grow to USD 547,877.09 million by 2034.

Based on end user, which segment dominated the blockchain technology in the energy sector market in 2024?

In 2024, the utilities segment accounted for the largest market share.

What does the market report cover?

The market report covers revenue forecast, market competitive landscape, growth factors, and trends.

What is the forecast period of the market?

The forecast period of the market is 2025-2034.

Polymers Market: The market is projected to reach a value of \$1,000 billion by 2034, growing at a CAGR of 10.5% from 2025 to 2034.

Polymers Market:

Synthetic Natural Gas Market:

<https://www.polarismarketresearch.com/industry-analysis/synthetic-natural-gas-market>

Tandem Piston Compressor Market:

<https://www.polarismarketresearch.com/industry-analysis/tandem-piston-compressor-market>

Shunt Reactor Circuit Market:

<https://www.polarismarketresearch.com/industry-analysis/shunt-reactor-circuit-market>

Wind Turbine Protection Market:

<https://www.polarismarketresearch.com/industry-analysis/wind-turbine-protection-market>

Ocean Economy Market:

<https://www.polarismarketresearch.com/industry-analysis/ocean-economy-market>

Polymers Market: Polymers Market Research & Consulting, Inc.:

Polaris Market Research is a global market research and consulting company. The company specializes in providing exceptional market intelligence and in-depth business research services for PMR's clientele spread across different enterprises. We at Polaris are obliged to serve PMR's diverse customer base present across the industries of healthcare, technology, semiconductors, and chemicals among various other industries present around the world. We strive to provide PMR's customers with updated information on innovative technologies, high-growth markets, emerging business environments, and the latest business-centric applications, thereby helping them always to make informed decisions and leverage new opportunities. Adept with a highly competent, experienced, and extremely qualified team of experts comprising SMEs, analysts, and consultants, we at Polaris endeavor to deliver value-added business solutions to PMR's customers.

Likhil G

Polaris Market Research and Consulting

+ +1 929-297-9727

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/785359227>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.