

Blockchain Technology Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

<https://marketpublishers.com/r/BFF42455FBE6EN.html>

Date: January 2025

Pages: 160

Price: US\$ 4,850.00 (Single User License)

ID: BFF42455FBE6EN

Abstracts

The Global Blockchain Technology Market was valued at USD 18.3 billion in 2024 and is projected to expand at a CAGR of 53.6% from 2025 to 2034. This rapid growth is driven by the increasing use of decentralized networks and advancements in public blockchain solutions. Businesses are integrating blockchain to enhance efficiency, security, and transparency in data transactions. The rising demand for crypto trading platforms is further fueling market expansion as more investors seek secure and seamless ways to trade digital assets. The industry continues to evolve with innovations such as algorithm-based trading tools and real-time market insights.

As blockchain adoption grows, financial services, supply chain management, and digital identity verification are seeing widespread implementation. Companies are leveraging blockchain to streamline operations, improve cross-border transactions, and enhance regulatory compliance. The technology is becoming an essential component for enterprises aiming to optimize processes while maintaining security. The increasing deployment of blockchain in enterprise ecosystems highlights its significance in modern business infrastructure.

The blockchain technology market is segmented by component into platform and service. The platform segment generated over USD 11 billion in 2024 and remains crucial for the development of decentralized applications. These platforms offer permissioned networks and programmable smart contracts tailored for enterprise use. Businesses in finance and logistics rely on blockchain platforms to ensure transaction security and process efficiency. The services segment is experiencing high growth, driven by the need for consulting, implementation, and managed services. Organizations are seeking solutions to integrate blockchain with existing systems while

meeting regulatory standards. Service providers play a key role in helping businesses optimize their blockchain networks.

The market is categorized by technology into public, private, and hybrid blockchains. Public blockchains are expected to witness a CAGR of over 50% from 2025 to 2034, as transparency and trust drive their adoption in open-access applications. Private blockchains are gaining traction among enterprises looking for secure and permissioned data-sharing networks. These systems are being increasingly adopted in industries such as healthcare and real estate, where data security is a priority. Hybrid blockchain models combine elements of both public and private systems, allowing businesses to control information sharing while maintaining transparency in external transactions.

Based on organization size, the market is divided into large enterprises and SME. Large enterprises accounted for over USD 12 billion in 2024, leveraging blockchain for custom applications in finance, logistics, and manufacturing. These businesses use blockchain to enhance security, reduce operational costs, and streamline workflows. The technology provides cost-effective, borderless solutions for supply chain tracking and financial transactions. SMEs are also benefiting from blockchain, as it offers efficient and transparent alternatives to traditional business operations.

The blockchain market is segmented by application into payments, supply chain management, smart contracts, identity management, governance, risk, and compliance. The payments segment held approximately 45% of the market share in 2024, with blockchain eliminating intermediaries and improving transaction efficiency. Supply chain management is seeing increased adoption as companies use blockchain to enhance transparency and reduce fraud risks. Smart contracts are revolutionizing contract execution by automating transactions and reducing the need for manual processes. Identity management solutions are leveraging blockchain for secure data storage and verification, while businesses and governments integrate blockchain to ensure data privacy and compliance.

North America led the global blockchain technology market with over 35% share in 2024, with the US at the forefront. The US financial sector continues to integrate blockchain into cross-border transactions, contract management, and digital asset trading. Companies across industries, including retail and logistics, are utilizing blockchain to enhance traceability, security, and operational efficiency. The increasing collaboration between financial institutions and technology firms is driving widespread blockchain adoption, positioning North America as a dominant force in the market.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Research design
 - 1.1.1 Research approach
 - 1.1.2 Data collection methods
- 1.2 Base estimates & calculations
 - 1.2.1 Base year calculation
 - 1.2.2 Key trends for market estimation
- 1.3 Forecast model
- 1.4 Primary research and validation
 - 1.4.1 Primary sources
 - 1.4.2 Data mining sources
- 1.5 Market scope & definition

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis, 2021 - 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Supplier landscape
 - 3.2.1 Technology providers
 - 3.2.2 Software developers
 - 3.2.3 Service providers
 - 3.2.4 End users
- 3.3 Profit margin analysis
- 3.4 Technology & innovation landscape
- 3.5 Patent analysis
- 3.6 Blockchain technology statistics, 2024
 - 3.6.1 Total worldwide blockchain wallet users
 - 3.6.2 Adoption rate of population using blockchain
 - 3.6.3 Cost efficiency impact of blockchain in banking
- 3.7 Regulatory landscape
- 3.8 Impact forces
 - 3.8.1 Growth drivers
 - 3.8.1.1 Increasing adoption of blockchain for secure and transparent transactions

- 3.8.1.2 Rising demand for decentralized finance (DeFi) solutions
- 3.8.1.3 Growing interest in smart contracts across various industries
- 3.8.1.4 Expanding applications of blockchain in supply chain management
- 3.8.1.5 Accelerated investment in blockchain technology from governments and enterprises
- 3.8.2 Industry pitfalls & challenges
 - 3.8.2.1 Challenges in processing large volume of transactions
 - 3.8.2.2 Interoperability concern between public and private blockchain networks
- 3.9 Growth potential analysis
- 3.10 Porter's analysis
- 3.11 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY COMPONENT, 2021 - 2034 (\$BN)

- 5.1 Key trends
- 5.2 Platform
 - 5.2.1 Blockchain-as-a-Service (BaaS)
 - 5.2.2 Smart contract platform
 - 5.2.3 Blockchain development platform
 - 5.2.4 Others
- 5.3 Service
 - 5.3.1 Consulting & integration service
 - 5.3.2 Maintenance & support service
 - 5.3.3 Training & education service

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY TECHNOLOGY, 2021 - 2034 (\$BN)

- 6.1 Key trends
- 6.2 Public blockchain
- 6.3 Private blockchain

6.4 Hybrid blockchain

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY ORGANIZATION SIZE, 2021 - 2034 (\$BN)

7.1 Key trends

7.2 SME

7.3 Large enterprises

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021 - 2034 (\$BN)

8.1 Key trends

8.2 Payments

8.3 Supply chain management

8.4 Smart contracts

8.5 Identity management

8.6 Governance, risk, and compliance management

8.7 Others

CHAPTER 9 MARKET ESTIMATES & FORECAST, BY END USE, 2021 - 2034 (\$BN)

9.1 Key trends

9.2 BFSI

9.3 IT & telecommunications

9.4 Healthcare

9.5 Retail & E-commerce

9.6 Government

9.7 Energy & utilities

9.8 Media & entertainment

9.9 Transportation & logistics

9.10 Others

CHAPTER 10 MARKET ESTIMATES & FORECAST, BY REGION, 2021 - 2034 (\$BN, UNITS)

10.1 Key trends

10.2 North America

10.2.1 U.S.

- 10.2.2 Canada
- 10.3 Europe
 - 10.3.1 UK
 - 10.3.2 Germany
 - 10.3.3 France
 - 10.3.4 Italy
 - 10.3.5 Spain
 - 10.3.6 Russia
 - 10.3.7 Nordics
- 10.4 Asia Pacific
 - 10.4.1 China
 - 10.4.2 India
 - 10.4.3 Japan
 - 10.4.4 Australia
 - 10.4.5 South Korea
 - 10.4.6 Southeast Asia
- 10.5 Latin America
 - 10.5.1 Brazil
 - 10.5.2 Mexico
 - 10.5.3 Argentina
- 10.6 MEA
 - 10.6.1 UAE
 - 10.6.2 South Africa
 - 10.6.3 Saudi Arabia

CHAPTER 11 COMPANY PROFILES

- 11.1 Algorand
- 11.2 Amazon Web Services (AWS)
- 11.3 Binance
- 11.4 Bittfury
- 11.5 Blockstream
- 11.6 Cardano
- 11.7 Chainalysis
- 11.8 Coinbase
- 11.9 ConsenSys
- 11.10 Digital Asset Holdings
- 11.11 Filecoin
- 11.12 Hedera Hashgraph

11.13 Hyperledger

11.14 IBM

11.15 Microsoft

11.16 Oracle

11.17 R3

11.18 Ripple

11.19 Stellar Development Foundation

11.20 VeChain

I would like to order

Product name: Blockchain Technology Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

Product link: <https://marketpublishers.com/r/BFF42455FBE6EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/BFF42455FBE6EN.html>