

2020-2025 Global Blockchain in Energy Market Report - Production and Consumption Professional Analysis (Impact of COVID-19)

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Abstracts

A blockchain, originally block chain, is a growing list of records, called blocks, which are linked using cryptography. Each block contains a cryptographic hash of the previous block, a timestamp, and transaction data (generally represented as a merkle tree root hash). By design, a blockchain is resistant to modification of the data. It is 'an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way'. For use as a distributed ledger, a blockchain is typically managed by a peer-to-peer network collectively adhering to a protocol for inter-node communication and validating new blocks. Once recorded, the data in any given block cannot be altered retroactively without alteration of all subsequent blocks, which requires consensus of the network majority. Although blockchain records are not unalterable, blockchains may be considered secure by design and exemplify a distributed computing system with high Byzantine fault tolerance. Decentralized consensus has therefore been claimed with a blockchain.

This report elaborates the market size, market characteristics, and market growth of the Blockchain in Energy industry, and breaks down according to the type, application, and consumption area of Blockchain in Energy. The report also conducted a PESTEL analysis of the industry to study the main influencing factors and entry barriers of the industry.

In Chapter 3.4 of the report, the impact of the COVID-19 outbreak on the industry was fully assessed. Fully risk assessment and industry recommendations were made for Blockchain in Energy in a special period. This chapter also compares the markets of Pre COVID-19 and Post COVID-19.

In addition, chapters 8-12 consider the impact of COVID-19 on the regional economy.



Key players in the global Blockchain in Energy market covered in Chapter 13:

WePower UAB

BTL Group Ltd

Electron

Power Ledger Pty Ltd

LO3 Energy, Inc

The Sun Exchange (Pty) Ltd

Enosi Foundation

Conjoule GmbH

Grid +

In Chapter 6, on the basis of types, the Blockchain in Energy market from 2015 to 2025 is primarily split into:

Private

Public

In Chapter 7, on the basis of applications, the Blockchain in Energy market from 2015 to 2025 covers:

Grid Management

Energy Trading

Government Risk and Compliance Management

Payment Schemes

Supply Chain Management

Others

Geographically, the detailed analysis of production, trade of the following countries is covered in Chapter 4.2, 5:

United States

Europe

China

Japan

India

Geographically, the detailed analysis of consumption, revenue, market share and growth rate of the following regions are covered in Chapter 8, 9, 10, 11, 12:

North America (Covered in Chapter 8)

United States

Canada

Mexico



Europe (Covered in Chapter 9)

Germany

UK

France

Italy

Spain

Others

Asia-Pacific (Covered in Chapter 10)

China

Japan

India

South Korea

Southeast Asia

Others

Middle East and Africa (Covered in Chapter 11)

Saudi Arabia

UAE

South Africa

Others

South America (Covered in Chapter 12)

Brazil

Others

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025



Contents

1 BLOCKCHAIN IN ENERGY MARKET - RESEARCH SCOPE

- 1.1 Study Goals
- 1.2 Market Definition and Scope
- 1.3 Key Market Segments
- 1.4 Study and Forecasting Years

2 BLOCKCHAIN IN ENERGY MARKET - RESEARCH METHODOLOGY

- 2.1 Methodology
- 2.2 Research Data Source
 - 2.2.1 Secondary Data
 - 2.2.2 Primary Data
 - 2.2.3 Market Size Estimation
 - 2.2.4 Legal Disclaimer

3 BLOCKCHAIN IN ENERGY MARKET FORCES

- 3.1 Global Blockchain in Energy Market Size
- 3.2 Top Impacting Factors (PESTEL Analysis)
 - 3.2.1 Political Factors
 - 3.2.2 Economic Factors
 - 3.2.3 Social Factors
 - 3.2.4 Technological Factors
 - 3.2.5 Environmental Factors
 - 3.2.6 Legal Factors
- 3.3 Industry Trend Analysis
- 3.4 Industry Trends Under COVID-19
 - 3.4.1 Risk Assessment on COVID-19
 - 3.4.2 Assessment of the Overall Impact of COVID-19 on the Industry
 - 3.4.3 Pre COVID-19 and Post COVID-19 Market Scenario
- 3.5 Industry Risk Assessment

4 BLOCKCHAIN IN ENERGY MARKET - BY GEOGRAPHY

- 4.1 Global Blockchain in Energy Market Value and Market Share by Regions
 - 4.1.1 Global Blockchain in Energy Value (\$) by Region (2015-2020)



- 4.1.2 Global Blockchain in Energy Value Market Share by Regions (2015-2020)
- 4.2 Global Blockchain in Energy Market Production and Market Share by Major Countries
- 4.2.1 Global Blockchain in Energy Production by Major Countries (2015-2020)
- 4.2.2 Global Blockchain in Energy Production Market Share by Major Countries (2015-2020)
- 4.3 Global Blockchain in Energy Market Consumption and Market Share by Regions
- 4.3.1 Global Blockchain in Energy Consumption by Regions (2015-2020)
- 4.3.2 Global Blockchain in Energy Consumption Market Share by Regions (2015-2020)

5 BLOCKCHAIN IN ENERGY MARKET - BY TRADE STATISTICS

- 5.1 Global Blockchain in Energy Export and Import
- 5.2 United States Blockchain in Energy Export and Import (2015-2020)
- 5.3 Europe Blockchain in Energy Export and Import (2015-2020)
- 5.4 China Blockchain in Energy Export and Import (2015-2020)
- 5.5 Japan Blockchain in Energy Export and Import (2015-2020)
- 5.6 India Blockchain in Energy Export and Import (2015-2020)
- 5.7 ...

6 BLOCKCHAIN IN ENERGY MARKET - BY TYPE

- 6.1 Global Blockchain in Energy Production and Market Share by Types (2015-2020)
- 6.1.1 Global Blockchain in Energy Production by Types (2015-2020)
- 6.1.2 Global Blockchain in Energy Production Market Share by Types (2015-2020)
- 6.2 Global Blockchain in Energy Value and Market Share by Types (2015-2020)
 - 6.2.1 Global Blockchain in Energy Value by Types (2015-2020)
- 6.2.2 Global Blockchain in Energy Value Market Share by Types (2015-2020)
- 6.3 Global Blockchain in Energy Production, Price and Growth Rate of Private (2015-2020)
- 6.4 Global Blockchain in Energy Production, Price and Growth Rate of Public (2015-2020)

7 BLOCKCHAIN IN ENERGY MARKET - BY APPLICATION

- 7.1 Global Blockchain in Energy Consumption and Market Share by Applications (2015-2020)
 - 7.1.1 Global Blockchain in Energy Consumption by Applications (2015-2020)



- 7.1.2 Global Blockchain in Energy Consumption Market Share by Applications (2015-2020)
- 7.2 Global Blockchain in Energy Consumption and Growth Rate of Grid Management (2015-2020)
- 7.3 Global Blockchain in Energy Consumption and Growth Rate of Energy Trading (2015-2020)
- 7.4 Global Blockchain in Energy Consumption and Growth Rate of Government Risk and Compliance Management (2015-2020)
- 7.5 Global Blockchain in Energy Consumption and Growth Rate of Payment Schemes (2015-2020)
- 7.6 Global Blockchain in Energy Consumption and Growth Rate of Supply Chain Management (2015-2020)
- 7.7 Global Blockchain in Energy Consumption and Growth Rate of Others (2015-2020)

8 NORTH AMERICA BLOCKCHAIN IN ENERGY MARKET

- 8.1 North America Blockchain in Energy Market Size
- 8.2 United States Blockchain in Energy Market Size
- 8.3 Canada Blockchain in Energy Market Size
- 8.4 Mexico Blockchain in Energy Market Size
- 8.5 The Influence of COVID-19 on North America Market

9 EUROPE BLOCKCHAIN IN ENERGY MARKET ANALYSIS

- 9.1 Europe Blockchain in Energy Market Size
- 9.2 Germany Blockchain in Energy Market Size
- 9.3 United Kingdom Blockchain in Energy Market Size
- 9.4 France Blockchain in Energy Market Size
- 9.5 Italy Blockchain in Energy Market Size
- 9.6 Spain Blockchain in Energy Market Size
- 9.7 The Influence of COVID-19 on Europe Market

10 ASIA-PACIFIC BLOCKCHAIN IN ENERGY MARKET ANALYSIS

- 10.1 Asia-Pacific Blockchain in Energy Market Size
- 10.2 China Blockchain in Energy Market Size
- 10.3 Japan Blockchain in Energy Market Size
- 10.4 South Korea Blockchain in Energy Market Size
- 10.5 Southeast Asia Blockchain in Energy Market Size



- 10.6 India Blockchain in Energy Market Size
- 10.7 The Influence of COVID-19 on Asia Pacific Market

11 MIDDLE EAST AND AFRICA BLOCKCHAIN IN ENERGY MARKET ANALYSIS

- 11.1 Middle East and Africa Blockchain in Energy Market Size
- 11.2 Saudi Arabia Blockchain in Energy Market Size
- 11.3 UAE Blockchain in Energy Market Size
- 11.4 South Africa Blockchain in Energy Market Size
- 11.5 The Influence of COVID-19 on Middle East and Africa Market

12 SOUTH AMERICA BLOCKCHAIN IN ENERGY MARKET ANALYSIS

- 12.1 South America Blockchain in Energy Market Size
- 12.2 Brazil Blockchain in Energy Market Size
- 12.3 The Influence of COVID-19 on South America Market

13 COMPANY PROFILES

- 13.1 WePower UAB
 - 13.1.1 WePower UAB Basic Information
 - 13.1.2 WePower UAB Product Profiles, Application and Specification
- 13.1.3 WePower UAB Blockchain in Energy Market Performance (2015-2020)
- 13.2 BTL Group Ltd
 - 13.2.1 BTL Group Ltd Basic Information
 - 13.2.2 BTL Group Ltd Product Profiles, Application and Specification
 - 13.2.3 BTL Group Ltd Blockchain in Energy Market Performance (2015-2020)
- 13.3 Electron
 - 13.3.1 Electron Basic Information
 - 13.3.2 Electron Product Profiles, Application and Specification
 - 13.3.3 Electron Blockchain in Energy Market Performance (2015-2020)
- 13.4 Power Ledger Pty Ltd
 - 13.4.1 Power Ledger Pty Ltd Basic Information
 - 13.4.2 Power Ledger Pty Ltd Product Profiles, Application and Specification
 - 13.4.3 Power Ledger Pty Ltd Blockchain in Energy Market Performance (2015-2020)
- 13.5 LO3 Energy, Inc
 - 13.5.1 LO3 Energy, Inc Basic Information
- 13.5.2 LO3 Energy, Inc Product Profiles, Application and Specification
- 13.5.3 LO3 Energy, Inc Blockchain in Energy Market Performance (2015-2020)



- 13.6 The Sun Exchange (Pty) Ltd
 - 13.6.1 The Sun Exchange (Pty) Ltd Basic Information
 - 13.6.2 The Sun Exchange (Pty) Ltd Product Profiles, Application and Specification
- 13.6.3 The Sun Exchange (Pty) Ltd Blockchain in Energy Market Performance (2015-2020)
- 13.7 Enosi Foundation
 - 13.7.1 Enosi Foundation Basic Information
 - 13.7.2 Enosi Foundation Product Profiles, Application and Specification
 - 13.7.3 Enosi Foundation Blockchain in Energy Market Performance (2015-2020)
- 13.8 Conjoule GmbH
 - 13.8.1 Conjoule GmbH Basic Information
 - 13.8.2 Conjoule GmbH Product Profiles, Application and Specification
 - 13.8.3 Conjoule GmbH Blockchain in Energy Market Performance (2015-2020)
- 13.9 Grid +
 - 13.9.1 Grid + Basic Information
 - 13.9.2 Grid + Product Profiles, Application and Specification
 - 13.9.3 Grid + Blockchain in Energy Market Performance (2015-2020)

14 MARKET FORECAST - BY REGIONS

- 14.1 North America Blockchain in Energy Market Forecast (2020-2025)
- 14.2 Europe Blockchain in Energy Market Forecast (2020-2025)
- 14.3 Asia-Pacific Blockchain in Energy Market Forecast (2020-2025)
- 14.4 Middle East and Africa Blockchain in Energy Market Forecast (2020-2025)
- 14.5 South America Blockchain in Energy Market Forecast (2020-2025)

15 MARKET FORECAST - BY TYPE AND APPLICATIONS

- 15.1 Global Blockchain in Energy Market Forecast by Types (2020-2025)
- 15.1.1 Global Blockchain in Energy Market Forecast Production and Market Share by Types (2020-2025)
- 15.1.2 Global Blockchain in Energy Market Forecast Value and Market Share by Types (2020-2025)
- 15.2 Global Blockchain in Energy Market Forecast by Applications (2020-2025)



List Of Tables

LIST OF TABLES AND FIGURES

Figure Blockchain in Energy Picture

Table Blockchain in Energy Key Market Segments

Figure Study and Forecasting Years

Figure Global Blockchain in Energy Market Size and Growth Rate 2015-2025

Figure Industry PESTEL Analysis

Figure Global COVID-19 Status

Figure Market Size Forecast Comparison of Pre COVID-19 and Post COVID-19

Figure Global Blockchain in Energy Value (\$) and Growth Rate (2015-2020)

Table Global Blockchain in Energy Value (\$) by Countries (2015-2020)

Table Global Blockchain in Energy Value Market Share by Regions (2015-2020)

Figure Global Blockchain in Energy Value Market Share by Regions in 2019

Figure Global Blockchain in Energy Production and Growth Rate (2015-2020)

Table Global Blockchain in Energy Production by Major Countries (2015-2020)

Table Global Blockchain in Energy Production Market Share by Major Countries (2015-2020)

Figure Global Blockchain in Energy Production Market Share by Regions in 2019

Figure Global Blockchain in Energy Consumption and Growth Rate (2015-2020)

Table Global Blockchain in Energy Consumption by Regions (2015-2020)

Table Global Blockchain in Energy Consumption Market Share by Regions (2015-2020)

Figure Global Blockchain in Energy Consumption Market Share by Regions in 2019

Table Global Blockchain in Energy Export Top 3 Country 2019

Table Global Blockchain in Energy Import Top 3 Country 2019

Table United States Blockchain in Energy Export and Import (2015-2020)

Table Europe Blockchain in Energy Export and Import (2015-2020)

Table China Blockchain in Energy Export and Import (2015-2020)

Table Japan Blockchain in Energy Export and Import (2015-2020)

Table India Blockchain in Energy Export and Import (2015-2020)

Table Global Blockchain in Energy Production by Types (2015-2020)

Table Global Blockchain in Energy Production Market Share by Types (2015-2020)

Figure Global Blockchain in Energy Production Share by Type (2015-2020)

Table Global Blockchain in Energy Value by Types (2015-2020)

Table Global Blockchain in Energy Value Market Share by Types (2015-2020)

Figure Global Blockchain in Energy Value Share by Type (2015-2020)

Figure Global Private Production and Growth Rate (2015-2020)

Figure Global Private Price (2015-2020)



Figure Global Public Production and Growth Rate (2015-2020)

Figure Global Public Price (2015-2020)

Table Global Blockchain in Energy Consumption by Applications (2015-2020)

Table Global Blockchain in Energy Consumption Market Share by Applications (2015-2020)

Figure Global Blockchain in Energy Consumption Share by Application (2015-2020)

Figure Global Grid Management Consumption and Growth Rate (2015-2020)

Figure Global Energy Trading Consumption and Growth Rate (2015-2020)

Figure Global Government Risk and Compliance Management Consumption and Growth Rate (2015-2020)

Figure Global Payment Schemes Consumption and Growth Rate (2015-2020)

Figure Global Supply Chain Management Consumption and Growth Rate (2015-2020)

Figure Global Others Consumption and Growth Rate (2015-2020)

Figure North America Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Table North America Blockchain in Energy Consumption by Countries (2015-2020)

Table North America Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure North America Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure United States Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Figure Canada Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Figure Mexico Blockchain in Energy Market Consumption and Growth Rate (2015-2020) Figure North America COVID-19 Status

Figure Europe Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Table Europe Blockchain in Energy Consumption by Countries (2015-2020)

Table Europe Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure Europe Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure Germany Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Figure United Kingdom Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Figure France Blockchain in Energy Market Consumption and Growth Rate (2015-2020) Figure Italy Blockchain in Energy Market Consumption and Growth Rate (2015-2020)



Figure Spain Blockchain in Energy Market Consumption and Growth Rate (2015-2020) Figure Europe COVID-19 Status

Figure Asia-Pacific Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Table Asia-Pacific Blockchain in Energy Consumption by Countries (2015-2020) Table Asia-Pacific Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure Asia-Pacific Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure China Blockchain in Energy Market Consumption and Growth Rate (2015-2020) Figure Japan Blockchain in Energy Market Consumption and Growth Rate (2015-2020) Figure South Korea Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Figure Southeast Asia Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Figure India Blockchain in Energy Market Consumption and Growth Rate (2015-2020) Figure Asia Pacific COVID-19 Status

Figure Middle East and Africa Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Table Middle East and Africa Blockchain in Energy Consumption by Countries (2015-2020)

Table Middle East and Africa Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure Middle East and Africa Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure Saudi Arabia Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Figure UAE Blockchain in Energy Market Consumption and Growth Rate (2015-2020) Figure South Africa Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Figure South America Blockchain in Energy Market Consumption and Growth Rate (2015-2020)

Table South America Blockchain in Energy Consumption by Countries (2015-2020)
Table South America Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure South America Blockchain in Energy Consumption Market Share by Countries (2015-2020)

Figure Brazil Blockchain in Energy Market Consumption and Growth Rate (2015-2020) Table WePower UAB Company Profile



Table WePower UAB Production, Value, Price, Gross Margin 2015-2020

Figure WePower UAB Production and Growth Rate

Figure WePower UAB Value (\$) Market Share 2015-2020

Table BTL Group Ltd Company Profile

Table BTL Group Ltd Production, Value, Price, Gross Margin 2015-2020

Figure BTL Group Ltd Production and Growth Rate

Figure BTL Group Ltd Value (\$) Market Share 2015-2020

Table Electron Company Profile

Table Electron Production, Value, Price, Gross Margin 2015-2020

Figure Electron Production and Growth Rate

Figure Electron Value (\$) Market Share 2015-2020

Table Power Ledger Pty Ltd Company Profile

Table Power Ledger Pty Ltd Production, Value, Price, Gross Margin 2015-2020

Figure Power Ledger Pty Ltd Production and Growth Rate

Figure Power Ledger Pty Ltd Value (\$) Market Share 2015-2020

Table LO3 Energy, Inc Company Profile

Table LO3 Energy, Inc Production, Value, Price, Gross Margin 2015-2020

Figure LO3 Energy, Inc Production and Growth Rate

Figure LO3 Energy, Inc Value (\$) Market Share 2015-2020

Table The Sun Exchange (Pty) Ltd Company Profile

Table The Sun Exchange (Pty) Ltd Production, Value, Price, Gross Margin 2015-2020

Figure The Sun Exchange (Pty) Ltd Production and Growth Rate

Figure The Sun Exchange (Pty) Ltd Value (\$) Market Share 2015-2020

Table Enosi Foundation Company Profile

Table Enosi Foundation Production, Value, Price, Gross Margin 2015-2020

Figure Enosi Foundation Production and Growth Rate

Figure Enosi Foundation Value (\$) Market Share 2015-2020

Table Conjoule GmbH Company Profile

Table Conjoule GmbH Production, Value, Price, Gross Margin 2015-2020

Figure Conjoule GmbH Production and Growth Rate

Figure Conjoule GmbH Value (\$) Market Share 2015-2020

Table Grid + Company Profile

Table Grid + Production, Value, Price, Gross Margin 2015-2020

Figure Grid + Production and Growth Rate

Figure Grid + Value (\$) Market Share 2015-2020

Figure North America Market Consumption and Growth Rate Forecast (2020-2025)

Figure Europe Market Consumption and Growth Rate Forecast (2020-2025)

Figure Asia-Pacific Market Consumption and Growth Rate Forecast (2020-2025)

Figure Middle East and Africa Market Consumption and Growth Rate Forecast



(2020-2025)

Figure South America Market Consumption and Growth Rate Forecast (2020-2025)
Table Global Blockchain in Energy Market Forecast Production by Types (2020-2025)
Table Global Blockchain in Energy Market Forecast Production Share by Types (2020-2025)

Table Global Blockchain in Energy Market Forecast Value (\$) by Types (2020-2025)
Table Global Blockchain in Energy Market Forecast Value Share by Types (2020-2025)
Table Global Blockchain in Energy Market Forecast Consumption by Applications (2020-2025)

Table Global Blockchain in Energy Market Forecast Consumption Share by Applications (2020-2025)



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