

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

<https://marketpublishers.com/r/2D5E0056ABD7EN.html>

Date: June 2021

Pages: 98

Price: US\$ 3,360.00 (Single User License)

ID: 2D5E0056ABD7EN

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

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