

Global Power System Simulator Market 2021-2031 by Component (Hardware, Software, Services), Product (HIL, PHIL), Module (Load Flow, Harmonics, Short Circuit, Arc Flash, Device Coordination Selectivity, Others), Application (Power, Industrial, Others), and Region: Trend Forecast and Growth Opportunity

<https://marketpublishers.com/r/GA7D10228D53EN.html>

Date: July 2022

Pages: 151

Price: US\$ 2,958.00 (Single User License)

ID: GA7D10228D53EN

Abstracts

Global power system simulator market will reach \$2,074.2 million by 2031, growing by 7.2% annually over 2021-2031, driven by the rising necessity for renewable sources of energy such as solar and wind energy, rising investments into power infrastructure, growing demand for cost saving and improved efficiency, and the surging adoption of IoT as well as cloud-based platforms.

Highlighted with 80 tables and 73 figures, this 151-page report “Global Power System Simulator Market 2021-2031 by Component (Hardware, Software, Services), Product (HIL, PHIL), Module (Load Flow, Harmonics, Short Circuit, Arc Flash, Device Coordination Selectivity, Others), Application (Power, Industrial, Others), and Region: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire global power system simulator market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2018-2021 and provides forecast from 2022 till 2031 with 2021 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following

aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of global market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify global power system simulator market in every aspect of the classification from perspectives of by Component, Product, Module, Application, and Region.

Based on Component, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Hardware

Software

Services

Based on Product, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Hardware in the Loop (HIL)

Power Hardware in the Loop (PHIL)

By Module, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Load Flow

Harmonics

Short Circuit

Arc Flash

Device Coordination Selectivity

Other Modules

By Application, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Power

Industrial

Other Applications

Geographically, the following regions together with the listed national/local markets are fully investigated:

North America (U.S., Canada, and Mexico)

Europe (Germany, UK, France, Spain, Italy, Netherlands, Rest of Europe; Rest of Europe is further segmented into Russia, Switzerland, Poland, Sweden, Belgium, Austria, Ireland, Norway, Denmark, and Finland)

APAC (Japan, China, South Korea, Australia, India, and Rest of APAC; Rest of APAC is further segmented into Malaysia, Singapore, Indonesia, Thailand, New Zealand, Vietnam, Taiwan, and Philippines)

South America (Brazil, Chile, Argentina, Rest of South America)

MEA (UAE?Saudi Arabia?South Africa and Rest of MEA)

For each aforementioned region and country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of all regional markets by country and split of each national market by Component, Module, and Application over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

ABB Ltd.

Atos SE

Eaton Corporation plc

Energy Exemplar

ETAP

Fuji Electric Co., Ltd.

General Electric Company (GE)

Neplan AG

OPAL-RT Technologies, Inc.

Open Systems International, Inc. (OSI)

PowerWorld Corporation

RTDS Technologies Inc.

Schneider Electric SE

Siemens AG

The MathWorks, Inc.

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND DYNAMICS

- 2.1 Market Size and Forecast
 - 2.1.1 Impact of COVID-19 on World Economy
 - 2.1.2 Impact of COVID-19 on the Market
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 SEGMENTATION OF GLOBAL MARKET BY COMPONENT

- 3.1 Market Overview by Component
- 3.2 Hardware
- 3.3 Software
- 3.4 Services

4 SEGMENTATION OF GLOBAL MARKET BY PRODUCT

- 4.1 Market Overview by Product
- 4.2 Hardware in the Loop (HIL)
- 4.3 Power Hardware in the Loop (PHIL)

5 SEGMENTATION OF GLOBAL MARKET BY MODULE

- 5.1 Market Overview by Module
- 5.2 Load Flow
- 5.3 Harmonics
- 5.4 Short Circuit
- 5.5 Arc Flash
- 5.6 Device Coordination Selectivity
- 5.7 Other Modules

6 SEGMENTATION OF GLOBAL MARKET BY APPLICATION

- 6.1 Market Overview by Application
- 6.2 Power
- 6.3 Industrial
- 6.4 Other Applications

7 SEGMENTATION OF GLOBAL MARKET BY REGION

- 7.1 Geographic Market Overview 2021-2031
- 7.2 North America Market 2021-2031 by Country
 - 7.2.1 Overview of North America Market
 - 7.2.2 U.S.
 - 7.2.3 Canada
 - 7.2.4 Mexico
- 7.3 European Market 2021-2031 by Country
 - 7.3.1 Overview of European Market
 - 7.3.2 Germany
 - 7.3.3 U.K.
 - 7.3.4 France
 - 7.3.5 Spain
 - 7.3.6 Italy
 - 7.3.7 Netherlands
 - 7.3.8 Rest of European Market
- 7.4 Asia-Pacific Market 2021-2031 by Country
 - 7.4.1 Overview of Asia-Pacific Market
 - 7.4.2 Japan
 - 7.4.3 China

- 7.4.4 Australia
- 7.4.5 India
- 7.4.6 South Korea
- 7.4.7 Rest of APAC Region
- 7.5 South America Market 2021-2031 by Country
 - 7.5.1 Argentina
 - 7.5.2 Brazil
 - 7.5.3 Chile
 - 7.5.4 Rest of South America Market
- 7.6 MEA Market 2021-2031 by Country
 - 7.6.1 UAE
 - 7.6.2 Saudi Arabia
 - 7.6.3 South Africa
 - 7.6.4 Other National Markets

8 COMPETITIVE LANDSCAPE

- 8.1 Overview of Key Vendors
- 8.2 New Product Launch, Partnership, Investment, and M&A
- 8.3 Company Profiles
 - ABB Ltd.
 - Atos SE
 - Eaton Corporation plc
 - Energy Exemplar
 - ETAP
 - Fuji Electric Co., Ltd.
 - General Electric Company (GE)
 - Neplan AG
 - OPAL-RT Technologies, Inc.
 - Open Systems International, Inc. (OSI)
 - PowerWorld Corporation
 - RTDS Technologies Inc.
 - Schneider Electric SE
 - Siemens AG
 - The MathWorks, Inc.
- RELATED REPORTS

List Of Tables

LIST OF TABLES

- Table 1. Snapshot of Global Power System Simulator Market in Balanced Perspective, 2021-2031
- Table 2. World Economic Outlook, 2021-2031
- Table 3. Main Product Trends and Market Opportunities in Global Power System Simulator Market
- Table 4. Global Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 5. Global Power System Simulator Market by Product, 2021-2031, \$ mn
- Table 6. Global Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 7. Global Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 8. Global Power System Simulator Market by Region, 2021-2031, \$ mn
- Table 9. Leading National Power System Simulator Market, 2021 and 2031, \$ mn
- Table 10. North America Power System Simulator Market by Country, 2021-2031, \$ mn
- Table 11. U.S. Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 12. U.S. Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 13. U.S. Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 14. Canada Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 15. Canada Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 16. Canada Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 17. Mexico Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 18. Mexico Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 19. Mexico Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 20. Europe Power System Simulator Market by Country, 2021-2031, \$ mn
- Table 21. Germany Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 22. Germany Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 23. Germany Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 24. U.K. Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 25. U.K. Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 26. U.K. Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 27. France Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 28. France Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 29. France Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 30. Spain Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 31. Spain Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 32. Spain Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 33. Italy Power System Simulator Market by Component, 2021-2031, \$ mn

- Table 34. Italy Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 35. Italy Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 36. Netherlands Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 37. Netherlands Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 38. Netherlands Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 39. Power System Simulator Market in Rest of Europe by Country, 2021-2031, \$ mn
- Table 40. APAC Power System Simulator Market by Country, 2021-2031, \$ mn
- Table 41. Japan Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 42. Japan Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 43. Japan Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 44. China Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 45. China Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 46. China Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 47. Australia Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 48. Australia Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 49. Australia Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 50. India Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 51. India Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 52. India Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 53. South Korea Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 54. South Korea Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 55. South Korea Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 56. Power System Simulator Market in Rest of APAC by Country/Region, 2021-2031, \$ mn
- Table 57. South America Power System Simulator Market by Country, 2021-2031, \$ mn
- Table 58. Argentina Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 59. Argentina Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 60. Argentina Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 61. Brazil Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 62. Brazil Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 63. Brazil Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 64. Chile Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 65. Chile Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 66. Chile Power System Simulator Market by Application, 2021-2031, \$ mn

- Table 67. MEA Power System Simulator Market by Country, 2021-2031, \$ mn
- Table 68. UAE Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 69. UAE Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 70. UAE Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 71. Saudi Arabia Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 72. Saudi Arabia Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 73. Saudi Arabia Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 74. South Africa Power System Simulator Market by Component, 2021-2031, \$ mn
- Table 75. South Africa Power System Simulator Market by Module, 2021-2031, \$ mn
- Table 76. South Africa Power System Simulator Market by Application, 2021-2031, \$ mn
- Table 77. Breakdown of World Market by Key Vendor, 2021, %
- Table 78. ABB Ltd.: Company Snapshot
- Table 79. ABB Ltd.: Business Segmentation
- Table 80. ABB Ltd.: Product Portfolio

List Of Figures

LIST OF FIGURES

Figure 1. Research Method Flow Chart

Figure 2. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 3. Global Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2021-2031

Figure 4. Global Power System Simulator Market, 2021-2031, \$ mn

Figure 5. Impact of COVID-19 on Business

Figure 6. Primary Drivers and Impact Factors of Global Power System Simulator Market

Figure 7. Primary Restraints and Impact Factors of Global Power System Simulator Market

Figure 8. Investment Opportunity Analysis

Figure 9. Porter's Five Forces Analysis of Global Power System Simulator Market

Figure 10. Breakdown of Global Power System Simulator Market by Component, 2021-2031, % of Revenue

Figure 11. Global Addressable Market Cap in 2022-2031 by Component, Value (\$ mn) and Share (%)

Figure 12. Global Power System Simulator Market by Component: Hardware, 2021-2031, \$ mn

Figure 13. Global Power System Simulator Market by Component: Software, 2021-2031, \$ mn

Figure 14. Global Power System Simulator Market by Component: Services, 2021-2031, \$ mn

Figure 15. Breakdown of Global Power System Simulator Market by Product, 2021-2031, % of Sales Revenue

Figure 16. Global Addressable Market Cap in 2022-2031 by Product, Value (\$ mn) and Share (%)

Figure 17. Global Power System Simulator Market by Product: Hardware in the Loop (HIL), 2021-2031, \$ mn

Figure 18. Global Power System Simulator Market by Product: Power Hardware in the Loop (PHIL), 2021-2031, \$ mn

Figure 19. Breakdown of Global Power System Simulator Market by Module, 2021-2031, % of Sales Revenue

Figure 20. Global Addressable Market Cap in 2022-2031 by Module, Value (\$ mn) and Share (%)

Figure 21. Global Power System Simulator Market by Module: Load Flow, 2021-2031, \$ mn

Figure 22. Global Power System Simulator Market by Module: Harmonics, 2021-2031, \$ mn

Figure 23. Global Power System Simulator Market by Module: Short Circuit, 2021-2031, \$ mn

Figure 24. Global Power System Simulator Market by Module: Arc Flash, 2021-2031, \$ mn

Figure 25. Global Power System Simulator Market by Module: Device Coordination Selectivity, 2021-2031, \$ mn

Figure 26. Global Power System Simulator Market by Module: Other Modules, 2021-2031, \$ mn

Figure 27. Breakdown of Global Power System Simulator Market by Application, 2021-2031, % of Revenue

Figure 28. Global Addressable Market Cap in 2022-2031 by Application, Value (\$ mn) and Share (%)

Figure 29. Global Power System Simulator Market by Application: Power, 2021-2031, \$ mn

Figure 30. Global Power System Simulator Market by Application: Industrial, 2021-2031, \$ mn

Figure 31. Global Power System Simulator Market by Application: Other Applications, 2021-2031, \$ mn

Figure 32. Global Market Snapshot by Region

Figure 33. Geographic Spread of Worldwide Power System Simulator Market, 2021-2031, % of Sales Revenue

Figure 34. Global Addressable Market Cap in 2022-2031 by Region, Value (\$ mn) and Share (%)

Figure 35. North American Power System Simulator Market, 2021-2031, \$ mn

Figure 36. Breakdown of North America Power System Simulator Market by Country, 2021 and 2031, % of Revenue

Figure 37. Contribution to North America 2022-2031 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 38. U.S. Power System Simulator Market, 2021-2031, \$ mn

Figure 39. Canada Power System Simulator Market, 2021-2031, \$ mn

Figure 40. Power System Simulator Market in Mexico, 2021-2031, \$ mn

Figure 41. European Power System Simulator Market, 2021-2031, \$ mn

Figure 42. Breakdown of European Power System Simulator Market by Country, 2021 and 2031, % of Revenue

Figure 43. Contribution to Europe 2022-2031 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 44. Power System Simulator Market in Germany, 2021-2031, \$ mn

- Figure 45. Power System Simulator Market in U.K., 2021-2031, \$ mn
- Figure 46. Power System Simulator Market in France, 2021-2031, \$ mn
- Figure 47. Power System Simulator Market in Spain, 2021-2031, \$ mn
- Figure 48. Power System Simulator Market in Italy, 2021-2031, \$ mn
- Figure 49. Power System Simulator Market in Netherlands, 2021-2031, \$ mn
- Figure 50. Power System Simulator Market in Rest of Europe, 2021-2031, \$ mn
- Figure 51. Asia-Pacific Power System Simulator Market, 2021-2031, \$ mn
- Figure 52. Breakdown of APAC Power System Simulator Market by Country, 2021 and 2031, % of Revenue
- Figure 53. Contribution to APAC 2022-2031 Cumulative Market by Country, Value (\$ mn) and Share (%)
- Figure 54. Power System Simulator Market in Japan, 2021-2031, \$ mn
- Figure 55. Power System Simulator Market in China, 2021-2031, \$ mn
- Figure 56. Power System Simulator Market in Australia, 2021-2031, \$ mn
- Figure 57. Power System Simulator Market in India, 2021-2031, \$ mn
- Figure 58. Power System Simulator Market in South Korea, 2021-2031, \$ mn
- Figure 59. Power System Simulator Market in Rest of APAC, 2021-2031, \$ mn
- Figure 60. South America Power System Simulator Market, 2021-2031, \$ mn
- Figure 61. Breakdown of South America Power System Simulator Market by Country, 2021 and 2031, % of Revenue
- Figure 62. Contribution to South America 2022-2031 Cumulative Market by Country, Value (\$ mn) and Share (%)
- Figure 63. Power System Simulator Market in Argentina, 2021-2031, \$ mn
- Figure 64. Power System Simulator Market in Brazil, 2021-2031, \$ mn
- Figure 65. Power System Simulator Market in Chile, 2021-2031, \$ mn
- Figure 66. Power System Simulator Market in Rest of South America, 2021-2031, \$ mn
- Figure 67. Power System Simulator Market in Middle East and Africa (MEA), 2021-2031, \$ mn
- Figure 68. Breakdown of MEA Power System Simulator Market by Country, 2021 and 2031, % of Revenue
- Figure 69. Contribution to MEA 2022-2031 Cumulative Market by Country, Value (\$ mn) and Share (%)
- Figure 70. Power System Simulator Market in UAE, 2021-2031, \$ mn
- Figure 71. Power System Simulator Market in Saudi Arabia, 2021-2031, \$ mn
- Figure 72. Power System Simulator Market in South Africa, 2021-2031, \$ mn
- Figure 73. Growth Stage of Global Power System Simulator Industry over the Forecast Period

I would like to order

Product name: Global Power System Simulator Market 2021-2031 by Component (Hardware, Software, Services), Product (HIL, PHIL), Module (Load Flow, Harmonics, Short Circuit, Arc Flash, Device Coordination Selectivity, Others), Application (Power, Industrial, Others), and Region: Trend Forecast and Growth Opportunity

Product link: <https://marketpublishers.com/r/GA7D10228D53EN.html>

Price: US\$ 2,958.00 (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/GA7D10228D53EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970