

Global Cloud-based Virtual Power Plants (VPP) Market Growth (Status and Outlook) 2024-2030

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Abstracts

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Cloud-based Virtual Power Plants (VPPs) are innovative energy management systems that utilize cloud computing technology to aggregate, control, and optimize distributed energy resources (DERs) across multiple sites. VPPs enable the virtual integration of various DERs, such as solar PV systems, battery energy storage, demand response assets, and electric vehicle (EV) chargers, into a unified, flexible, and dynamic virtual power plant.

The global Cloud-based Virtual Power Plants (VPP) market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of %from 2024 to 2030.

LPI (LP Information)' newest research report, the “Cloud-based Virtual Power Plants (VPP) Industry Forecast” looks at past sales and reviews total world Cloud-based Virtual Power Plants (VPP) sales in 2022, providing a comprehensive analysis by region and market sector of projected Cloud-based Virtual Power Plants (VPP) sales for 2023 through 2029. With Cloud-based Virtual Power Plants (VPP) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Cloud-based Virtual Power Plants (VPP) industry.

This Insight Report provides a comprehensive analysis of the global Cloud-based Virtual Power Plants (VPP) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Cloud-based Virtual Power Plants (VPP) portfolios and capabilities, market

entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Cloud-based Virtual Power Plants (VPP) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Cloud-based Virtual Power Plants (VPP) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Cloud-based Virtual Power Plants (VPP).

United States market for Cloud-based Virtual Power Plants (VPP) is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Cloud-based Virtual Power Plants (VPP) is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Cloud-based Virtual Power Plants (VPP) is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Cloud-based Virtual Power Plants (VPP) players cover *sted*, Duke Energy, RWE, Enbala, Bosch, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Cloud-based Virtual Power Plants (VPP) market by product type, application, key players and key regions and countries.

Segmentation by Type:

Operational Control (OC) Model

Functional Management (FM) Model

Segmentation by Application:

Commercial

Industrial

Residential

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Arsted

Duke Energy

RWE

Enbala

Bosch

GE Digital Energy

EnerNOC

Schneider Electric/AutoGrid?

Siemens

Viridity Energy

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Cloud-based Virtual Power Plants (VPP) Market Size 2019-2030
 - 2.1.2 Cloud-based Virtual Power Plants (VPP) Market Size CAGR by Region (2019 VS 2023 VS 2030)
 - 2.1.3 World Current & Future Analysis for Cloud-based Virtual Power Plants (VPP) by Country/Region, 2019, 2023 & 2030
- 2.2 Cloud-based Virtual Power Plants (VPP) Segment by Type
 - 2.2.1 Operational Control (OC) Model
 - 2.2.2 Functional Management (FM) Model
- 2.3 Cloud-based Virtual Power Plants (VPP) Market Size by Type
 - 2.3.1 Cloud-based Virtual Power Plants (VPP) Market Size CAGR by Type (2019 VS 2023 VS 2030)
 - 2.3.2 Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Type (2019-2024)
- 2.4 Cloud-based Virtual Power Plants (VPP) Segment by Application
 - 2.4.1 Commercial
 - 2.4.2 Industrial
 - 2.4.3 Residential
- 2.5 Cloud-based Virtual Power Plants (VPP) Market Size by Application
 - 2.5.1 Cloud-based Virtual Power Plants (VPP) Market Size CAGR by Application (2019 VS 2023 VS 2030)
 - 2.5.2 Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Application (2019-2024)

3 CLOUD-BASED VIRTUAL POWER PLANTS (VPP) MARKET SIZE BY PLAYER

3.1 Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Player

3.1.1 Global Cloud-based Virtual Power Plants (VPP) Revenue by Player (2019-2024)

3.1.2 Global Cloud-based Virtual Power Plants (VPP) Revenue Market Share by Player (2019-2024)

3.2 Global Cloud-based Virtual Power Plants (VPP) Key Players Head office and Products Offered

3.3 Market Concentration Rate Analysis

3.3.1 Competition Landscape Analysis

3.3.2 Concentration Ratio (CR3, CR5 and CR10) & (2022-2024)

3.4 New Products and Potential Entrants

3.5 Mergers & Acquisitions, Expansion

4 CLOUD-BASED VIRTUAL POWER PLANTS (VPP) BY REGION

4.1 Cloud-based Virtual Power Plants (VPP) Market Size by Region (2019-2024)

4.2 Global Cloud-based Virtual Power Plants (VPP) Annual Revenue by Country/Region (2019-2024)

4.3 Americas Cloud-based Virtual Power Plants (VPP) Market Size Growth (2019-2024)

4.4 APAC Cloud-based Virtual Power Plants (VPP) Market Size Growth (2019-2024)

4.5 Europe Cloud-based Virtual Power Plants (VPP) Market Size Growth (2019-2024)

4.6 Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size Growth (2019-2024)

5 AMERICAS

5.1 Americas Cloud-based Virtual Power Plants (VPP) Market Size by Country (2019-2024)

5.2 Americas Cloud-based Virtual Power Plants (VPP) Market Size by Type (2019-2024)

5.3 Americas Cloud-based Virtual Power Plants (VPP) Market Size by Application (2019-2024)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

- 6.1 APAC Cloud-based Virtual Power Plants (VPP) Market Size by Region (2019-2024)
- 6.2 APAC Cloud-based Virtual Power Plants (VPP) Market Size by Type (2019-2024)
- 6.3 APAC Cloud-based Virtual Power Plants (VPP) Market Size by Application (2019-2024)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia

7 EUROPE

- 7.1 Europe Cloud-based Virtual Power Plants (VPP) Market Size by Country (2019-2024)
- 7.2 Europe Cloud-based Virtual Power Plants (VPP) Market Size by Type (2019-2024)
- 7.3 Europe Cloud-based Virtual Power Plants (VPP) Market Size by Application (2019-2024)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Cloud-based Virtual Power Plants (VPP) by Region (2019-2024)
- 8.2 Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size by Type (2019-2024)
- 8.3 Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size by Application (2019-2024)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 GLOBAL CLOUD-BASED VIRTUAL POWER PLANTS (VPP) MARKET FORECAST

10.1 Global Cloud-based Virtual Power Plants (VPP) Forecast by Region (2025-2030)

10.1.1 Global Cloud-based Virtual Power Plants (VPP) Forecast by Region (2025-2030)

10.1.2 Americas Cloud-based Virtual Power Plants (VPP) Forecast

10.1.3 APAC Cloud-based Virtual Power Plants (VPP) Forecast

10.1.4 Europe Cloud-based Virtual Power Plants (VPP) Forecast

10.1.5 Middle East & Africa Cloud-based Virtual Power Plants (VPP) Forecast

10.2 Americas Cloud-based Virtual Power Plants (VPP) Forecast by Country (2025-2030)

10.2.1 United States Market Cloud-based Virtual Power Plants (VPP) Forecast

10.2.2 Canada Market Cloud-based Virtual Power Plants (VPP) Forecast

10.2.3 Mexico Market Cloud-based Virtual Power Plants (VPP) Forecast

10.2.4 Brazil Market Cloud-based Virtual Power Plants (VPP) Forecast

10.3 APAC Cloud-based Virtual Power Plants (VPP) Forecast by Region (2025-2030)

10.3.1 China Cloud-based Virtual Power Plants (VPP) Market Forecast

10.3.2 Japan Market Cloud-based Virtual Power Plants (VPP) Forecast

10.3.3 Korea Market Cloud-based Virtual Power Plants (VPP) Forecast

10.3.4 Southeast Asia Market Cloud-based Virtual Power Plants (VPP) Forecast

10.3.5 India Market Cloud-based Virtual Power Plants (VPP) Forecast

10.3.6 Australia Market Cloud-based Virtual Power Plants (VPP) Forecast

10.4 Europe Cloud-based Virtual Power Plants (VPP) Forecast by Country (2025-2030)

10.4.1 Germany Market Cloud-based Virtual Power Plants (VPP) Forecast

10.4.2 France Market Cloud-based Virtual Power Plants (VPP) Forecast

10.4.3 UK Market Cloud-based Virtual Power Plants (VPP) Forecast

10.4.4 Italy Market Cloud-based Virtual Power Plants (VPP) Forecast

10.4.5 Russia Market Cloud-based Virtual Power Plants (VPP) Forecast

10.5 Middle East & Africa Cloud-based Virtual Power Plants (VPP) Forecast by Region (2025-2030)

10.5.1 Egypt Market Cloud-based Virtual Power Plants (VPP) Forecast

10.5.2 South Africa Market Cloud-based Virtual Power Plants (VPP) Forecast

- 10.5.3 Israel Market Cloud-based Virtual Power Plants (VPP) Forecast
- 10.5.4 Turkey Market Cloud-based Virtual Power Plants (VPP) Forecast
- 10.6 Global Cloud-based Virtual Power Plants (VPP) Forecast by Type (2025-2030)
- 10.7 Global Cloud-based Virtual Power Plants (VPP) Forecast by Application (2025-2030)
 - 10.7.1 GCC Countries Market Cloud-based Virtual Power Plants (VPP) Forecast

11 KEY PLAYERS ANALYSIS

11.1 ?rsted

- 11.1.1 ?rsted Company Information
- 11.1.2 ?rsted Cloud-based Virtual Power Plants (VPP) Product Offered
- 11.1.3 ?rsted Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)
- 11.1.4 ?rsted Main Business Overview
- 11.1.5 ?rsted Latest Developments

11.2 Duke Energy

- 11.2.1 Duke Energy Company Information
- 11.2.2 Duke Energy Cloud-based Virtual Power Plants (VPP) Product Offered
- 11.2.3 Duke Energy Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)
- 11.2.4 Duke Energy Main Business Overview
- 11.2.5 Duke Energy Latest Developments

11.3 RWE

- 11.3.1 RWE Company Information
- 11.3.2 RWE Cloud-based Virtual Power Plants (VPP) Product Offered
- 11.3.3 RWE Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)
- 11.3.4 RWE Main Business Overview
- 11.3.5 RWE Latest Developments

11.4 Enbala

- 11.4.1 Enbala Company Information
- 11.4.2 Enbala Cloud-based Virtual Power Plants (VPP) Product Offered
- 11.4.3 Enbala Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)
- 11.4.4 Enbala Main Business Overview
- 11.4.5 Enbala Latest Developments

11.5 Bosch

- 11.5.1 Bosch Company Information

- 11.5.2 Bosch Cloud-based Virtual Power Plants (VPP) Product Offered
- 11.5.3 Bosch Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)
- 11.5.4 Bosch Main Business Overview
- 11.5.5 Bosch Latest Developments
- 11.6 GE Digital Energy
 - 11.6.1 GE Digital Energy Company Information
 - 11.6.2 GE Digital Energy Cloud-based Virtual Power Plants (VPP) Product Offered
 - 11.6.3 GE Digital Energy Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)
 - 11.6.4 GE Digital Energy Main Business Overview
 - 11.6.5 GE Digital Energy Latest Developments
- 11.7 EnerNOC
 - 11.7.1 EnerNOC Company Information
 - 11.7.2 EnerNOC Cloud-based Virtual Power Plants (VPP) Product Offered
 - 11.7.3 EnerNOC Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)
 - 11.7.4 EnerNOC Main Business Overview
 - 11.7.5 EnerNOC Latest Developments
- 11.8 Schneider Electric?AutoGrid?
 - 11.8.1 Schneider Electric?AutoGrid? Company Information
 - 11.8.2 Schneider Electric?AutoGrid? Cloud-based Virtual Power Plants (VPP) Product Offered
 - 11.8.3 Schneider Electric?AutoGrid? Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)
 - 11.8.4 Schneider Electric?AutoGrid? Main Business Overview
 - 11.8.5 Schneider Electric?AutoGrid? Latest Developments
- 11.9 Siemens
 - 11.9.1 Siemens Company Information
 - 11.9.2 Siemens Cloud-based Virtual Power Plants (VPP) Product Offered
 - 11.9.3 Siemens Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)
 - 11.9.4 Siemens Main Business Overview
 - 11.9.5 Siemens Latest Developments
- 11.10 Viridity Energy
 - 11.10.1 Viridity Energy Company Information
 - 11.10.2 Viridity Energy Cloud-based Virtual Power Plants (VPP) Product Offered
 - 11.10.3 Viridity Energy Cloud-based Virtual Power Plants (VPP) Revenue, Gross Margin and Market Share (2019-2024)

11.10.4 Viridity Energy Main Business Overview

11.10.5 Viridity Energy Latest Developments

12 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Cloud-based Virtual Power Plants (VPP) Market Size CAGR by Region (2019 VS 2023 VS 2030) & (\$ millions)

Table 2. Cloud-based Virtual Power Plants (VPP) Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Operational Control (OC) Model

Table 4. Major Players of Functional Management (FM) Model

Table 5. Cloud-based Virtual Power Plants (VPP) Market Size CAGR by Type (2019 VS 2023 VS 2030) & (\$ millions)

Table 6. Global Cloud-based Virtual Power Plants (VPP) Market Size by Type (2019-2024) & (\$ millions)

Table 7. Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Type (2019-2024)

Table 8. Cloud-based Virtual Power Plants (VPP) Market Size CAGR by Application (2019 VS 2023 VS 2030) & (\$ millions)

Table 9. Global Cloud-based Virtual Power Plants (VPP) Market Size by Application (2019-2024) & (\$ millions)

Table 10. Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Application (2019-2024)

Table 11. Global Cloud-based Virtual Power Plants (VPP) Revenue by Player (2019-2024) & (\$ millions)

Table 12. Global Cloud-based Virtual Power Plants (VPP) Revenue Market Share by Player (2019-2024)

Table 13. Cloud-based Virtual Power Plants (VPP) Key Players Head office and Products Offered

Table 14. Cloud-based Virtual Power Plants (VPP) Concentration Ratio (CR3, CR5 and CR10) & (2022-2024)

Table 15. New Products and Potential Entrants

Table 16. Mergers & Acquisitions, Expansion

Table 17. Global Cloud-based Virtual Power Plants (VPP) Market Size by Region (2019-2024) & (\$ millions)

Table 18. Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Region (2019-2024)

Table 19. Global Cloud-based Virtual Power Plants (VPP) Revenue by Country/Region (2019-2024) & (\$ millions)

Table 20. Global Cloud-based Virtual Power Plants (VPP) Revenue Market Share by

Country/Region (2019-2024)

Table 21. Americas Cloud-based Virtual Power Plants (VPP) Market Size by Country (2019-2024) & (\$ millions)

Table 22. Americas Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Country (2019-2024)

Table 23. Americas Cloud-based Virtual Power Plants (VPP) Market Size by Type (2019-2024) & (\$ millions)

Table 24. Americas Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Type (2019-2024)

Table 25. Americas Cloud-based Virtual Power Plants (VPP) Market Size by Application (2019-2024) & (\$ millions)

Table 26. Americas Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Application (2019-2024)

Table 27. APAC Cloud-based Virtual Power Plants (VPP) Market Size by Region (2019-2024) & (\$ millions)

Table 28. APAC Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Region (2019-2024)

Table 29. APAC Cloud-based Virtual Power Plants (VPP) Market Size by Type (2019-2024) & (\$ millions)

Table 30. APAC Cloud-based Virtual Power Plants (VPP) Market Size by Application (2019-2024) & (\$ millions)

Table 31. Europe Cloud-based Virtual Power Plants (VPP) Market Size by Country (2019-2024) & (\$ millions)

Table 32. Europe Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Country (2019-2024)

Table 33. Europe Cloud-based Virtual Power Plants (VPP) Market Size by Type (2019-2024) & (\$ millions)

Table 34. Europe Cloud-based Virtual Power Plants (VPP) Market Size by Application (2019-2024) & (\$ millions)

Table 35. Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size by Region (2019-2024) & (\$ millions)

Table 36. Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size by Type (2019-2024) & (\$ millions)

Table 37. Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size by Application (2019-2024) & (\$ millions)

Table 38. Key Market Drivers & Growth Opportunities of Cloud-based Virtual Power Plants (VPP)

Table 39. Key Market Challenges & Risks of Cloud-based Virtual Power Plants (VPP)

Table 40. Key Industry Trends of Cloud-based Virtual Power Plants (VPP)

Table 41. Global Cloud-based Virtual Power Plants (VPP) Market Size Forecast by Region (2025-2030) & (\$ millions)

Table 42. Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share Forecast by Region (2025-2030)

Table 43. Global Cloud-based Virtual Power Plants (VPP) Market Size Forecast by Type (2025-2030) & (\$ millions)

Table 44. Global Cloud-based Virtual Power Plants (VPP) Market Size Forecast by Application (2025-2030) & (\$ millions)

Table 45. Detailed Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 46. Detailed Cloud-based Virtual Power Plants (VPP) Product Offered

Table 47. Detailed Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 48. Detailed Main Business

Table 49. Detailed Latest Developments

Table 50. Duke Energy Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 51. Duke Energy Cloud-based Virtual Power Plants (VPP) Product Offered

Table 52. Duke Energy Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 53. Duke Energy Main Business

Table 54. Duke Energy Latest Developments

Table 55. RWE Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 56. RWE Cloud-based Virtual Power Plants (VPP) Product Offered

Table 57. RWE Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 58. RWE Main Business

Table 59. RWE Latest Developments

Table 60. Enbala Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 61. Enbala Cloud-based Virtual Power Plants (VPP) Product Offered

Table 62. Enbala Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 63. Enbala Main Business

Table 64. Enbala Latest Developments

Table 65. Bosch Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 66. Bosch Cloud-based Virtual Power Plants (VPP) Product Offered

Table 67. Bosch Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 68. Bosch Main Business

Table 69. Bosch Latest Developments

Table 70. GE Digital Energy Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 71. GE Digital Energy Cloud-based Virtual Power Plants (VPP) Product Offered

Table 72. GE Digital Energy Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 73. GE Digital Energy Main Business

Table 74. GE Digital Energy Latest Developments

Table 75. EnerNOC Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 76. EnerNOC Cloud-based Virtual Power Plants (VPP) Product Offered

Table 77. EnerNOC Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 78. EnerNOC Main Business

Table 79. EnerNOC Latest Developments

Table 80. Schneider Electric?AutoGrid? Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 81. Schneider Electric?AutoGrid? Cloud-based Virtual Power Plants (VPP) Product Offered

Table 82. Schneider Electric?AutoGrid? Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 83. Schneider Electric?AutoGrid? Main Business

Table 84. Schneider Electric?AutoGrid? Latest Developments

Table 85. Siemens Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 86. Siemens Cloud-based Virtual Power Plants (VPP) Product Offered

Table 87. Siemens Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 88. Siemens Main Business

Table 89. Siemens Latest Developments

Table 90. Viridity Energy Details, Company Type, Cloud-based Virtual Power Plants (VPP) Area Served and Its Competitors

Table 91. Viridity Energy Cloud-based Virtual Power Plants (VPP) Product Offered

Table 92. Viridity Energy Cloud-based Virtual Power Plants (VPP) Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 93. Viridity Energy Main Business

Table 94. Viridity Energy Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Cloud-based Virtual Power Plants (VPP) Report Years Considered
- Figure 2. Research Objectives
- Figure 3. Research Methodology
- Figure 4. Research Process and Data Source
- Figure 5. Global Cloud-based Virtual Power Plants (VPP) Market Size Growth Rate 2019-2030 (\$ millions)
- Figure 6. Cloud-based Virtual Power Plants (VPP) Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Figure 7. Cloud-based Virtual Power Plants (VPP) Sales Market Share by Country/Region (2023)
- Figure 8. Cloud-based Virtual Power Plants (VPP) Sales Market Share by Country/Region (2019, 2023 & 2030)
- Figure 9. Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Type in 2023
- Figure 10. Cloud-based Virtual Power Plants (VPP) in Commercial
- Figure 11. Global Cloud-based Virtual Power Plants (VPP) Market: Commercial (2019-2024) & (\$ millions)
- Figure 12. Cloud-based Virtual Power Plants (VPP) in Industrial
- Figure 13. Global Cloud-based Virtual Power Plants (VPP) Market: Industrial (2019-2024) & (\$ millions)
- Figure 14. Cloud-based Virtual Power Plants (VPP) in Residential
- Figure 15. Global Cloud-based Virtual Power Plants (VPP) Market: Residential (2019-2024) & (\$ millions)
- Figure 16. Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Application in 2023
- Figure 17. Global Cloud-based Virtual Power Plants (VPP) Revenue Market Share by Player in 2023
- Figure 18. Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Region (2019-2024)
- Figure 19. Americas Cloud-based Virtual Power Plants (VPP) Market Size 2019-2024 (\$ millions)
- Figure 20. APAC Cloud-based Virtual Power Plants (VPP) Market Size 2019-2024 (\$ millions)
- Figure 21. Europe Cloud-based Virtual Power Plants (VPP) Market Size 2019-2024 (\$ millions)

Figure 22. Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size 2019-2024 (\$ millions)

Figure 23. Americas Cloud-based Virtual Power Plants (VPP) Value Market Share by Country in 2023

Figure 24. United States Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 25. Canada Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 26. Mexico Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 27. Brazil Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 28. APAC Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Region in 2023

Figure 29. APAC Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Type (2019-2024)

Figure 30. APAC Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Application (2019-2024)

Figure 31. China Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 32. Japan Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 33. South Korea Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 34. Southeast Asia Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 35. India Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 36. Australia Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 37. Europe Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Country in 2023

Figure 38. Europe Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Type (2019-2024)

Figure 39. Europe Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Application (2019-2024)

Figure 40. Germany Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 41. France Cloud-based Virtual Power Plants (VPP) Market Size Growth

2019-2024 (\$ millions)

Figure 42. UK Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 43. Italy Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 44. Russia Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 45. Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Region (2019-2024)

Figure 46. Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Type (2019-2024)

Figure 47. Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size Market Share by Application (2019-2024)

Figure 48. Egypt Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 49. South Africa Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 50. Israel Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 51. Turkey Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 52. GCC Countries Cloud-based Virtual Power Plants (VPP) Market Size Growth 2019-2024 (\$ millions)

Figure 53. Americas Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 54. APAC Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 55. Europe Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 56. Middle East & Africa Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 57. United States Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 58. Canada Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 59. Mexico Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 60. Brazil Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 61. China Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 62. Japan Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 63. Korea Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 64. Southeast Asia Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 65. India Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 66. Australia Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 67. Germany Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 68. France Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 69. UK Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 70. Italy Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 71. Russia Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 72. Egypt Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 73. South Africa Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 74. Israel Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 75. Turkey Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 76. GCC Countries Cloud-based Virtual Power Plants (VPP) Market Size 2025-2030 (\$ millions)

Figure 77. Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share Forecast by Type (2025-2030)

Figure 78. Global Cloud-based Virtual Power Plants (VPP) Market Size Market Share Forecast by Application (2025-2030)

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