

Global Federated Learning Solutions Market Size study & Forecast, by Application (Drug Discovery, Shopping Experience Personalization, Data Privacy and Security Management, Risk Management, Industrial Internet of Things, Online Visual Object Detection, Augmented Reality/Virtual Reality, Other), by Verticals (Banking, Financial Services, and Insurance, Healthcare and Life Sciences, Retail and Ecommerce, Manufacturing, Energy and Utilities, Automotive and Transportation, IT and Telecommunication, Other) and Regional Analysis, 2023-2030

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Abstracts

Global Federated Learning Solutions Market is valued at approximately USD 114.8 million in 2022 and is anticipated to grow with a healthy growth rate of more than 10.6% over the forecast period 2023-2030. Federated Learning is a machine learning approach that trains a centralized model using data distributed across numerous clients with unreliable and slow network connections. It enables training algorithms on decentralized edge devices or servers without sharing the underlying data. The Federated Learning Solutions Market is expanding because of factors such as the rising adoption of the Internet of Things and rising demand of Edge Computing. Moreover, the rising adoption of edge computing positively impacts the Federated Learning Solutions market by enabling real-time decision-making and reducing the need for data transfer, enhancing privacy and security.

According to Statista in 2022, The global edge computing is expected to reach approximately USD 274 billion by the year 2025. The rising adoption of IoT devices generates huge amounts of distributed data, driving the need for federated learning solutions that enable secure and efficient model training across these devices. This trend contributes to the growth and expansion of the Federated Learning Solutions Market. According to Statista in 2022, the number of Internet of Things (IoT) devices worldwide is expected to nearly triple from USD 9.7 billion in 2020 to over USD 29 billion by 2030. By 2030, China is projected to have the largest number of IoT devices, with around 5 billion devices used by consumers. In addition, increasing demand for secure and efficient data analysis and technological advancements in federated learning solutions would create a lucrative growth opportunity. However, a lack of skilled technical expertise and data privacy and security concerns stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Federated Learning Solutions Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market during the forecast period owing to the, rising adoption of federated learning solutions driven by stringent data regulations, privacy concerns, and technological advancements and the growing use of innovative technologies such as Artificial intelligence and big data analytics increase market growth in the region. Asia Pacific is the fastest growing region during the forecast period owing to the factors such as the rising utilization of mobile devices and IoT, along with increase adoption of advanced technologies in this region.

Major market player included in this report are:

Intellegens Ltd.

Microsoft Corporation

Intel Corporation

Cloudera Inc,

Edge Delta Inc.,

International Business Machines Corporation,

Enveil Inc.,

DataFleets Ltd,

Alphabet Inc,

Nvidia Corporation

Recent Developments in the Market:

In March 2022, The Communications Intelligence Platform, a Clara Holoscan solution created by NVIDIA, has now been upgraded to MGX. This one-of-a-kind system provides end-to-end capabilities for AI technologies, intelligent healthcare manufacturing, and implantable augmentation deployment.

In June 2022 Intel Corporation collaborated with Aster Innovation and Research Centre and CARPL, to create a secure federated education platform. This alliance seeks to promote innovation in a variety of fields, including diagnosis, genomics, drug discovery, and predictive healthcare.

Global Federated Learning Solutions Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Application, Verticals, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional &

segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Drug Discovery

Shopping Experience Personalization

Data Privacy and Security Management

Risk Management

Industrial Internet of Things

Online Visual Object Detection

Augmented Reality/Virtual Reality

Other

By Verticals:

Banking, Financial Services, and Insurance

Healthcare and Life Sciences

Retail and Ecommerce

Manufacturing

Energy and Utilities

Automotive and Transportation

IT and Telecommunication

Other

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Million)
 - 1.2.1. Federated Learning Solutions Market, by Region, 2020-2030 (USD Million)
 - 1.2.2. Federated Learning Solutions Market, by Application, 2020-2030 (USD Million)
 - 1.2.3. Federated Learning Solutions Market, by Verticals, 2020-2030 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL FEDERATED LEARNING SOLUTIONS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL FEDERATED LEARNING SOLUTIONS MARKET DYNAMICS

- 3.1. Federated Learning Solutions Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising adoption of Internet of Things (IoT)
 - 3.1.1.2. Rising demand of Edge Computing
 - 3.1.2. Market Challenges
 - 3.1.2.1. Lack of skilled technical expertise
 - 3.1.2.2. Data privacy and security concerns
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Increasing demand for secure and efficient data analysis
 - 3.1.3.2. Technological advancements in federated learning solutions

CHAPTER 4. GLOBAL FEDERATED LEARNING SOLUTIONS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL FEDERATED LEARNING SOLUTIONS MARKET, BY APPLICATION

- 5.1. Market Snapshot
- 5.2. Global Federated Learning Solutions Market by Application, Performance - Potential Analysis
- 5.3. Global Federated Learning Solutions Market Estimates & Forecasts by Application 2020-2030 (USD Million)
- 5.4. Federated Learning Solutions Market, Sub Segment Analysis
- 5.5. Drug Discovery
- 5.6. Shopping Experience Personalization
- 5.7. Data Privacy and Security Management
- 5.8. Risk Management
- 5.9. Industrial Internet of Things
- 5.10. Online Visual Object Detection
- 5.11. Augmented Reality/Virtual Reality
- 5.12. Other

CHAPTER 6. GLOBAL FEDERATED LEARNING SOLUTIONS MARKET, BY VERTICALS

- 6.1. Market Snapshot
- 6.2. Global Federated Learning Solutions Market by Verticals, Performance - Potential Analysis
- 6.3. Global Federated Learning Solutions Market Estimates & Forecasts by Verticals 2020-2030 (USD Million)
- 6.4. Federated Learning Solutions Market, Sub Segment Analysis
- 6.5. Banking, Financial Services, and Insurance
- 6.6. Healthcare and Life Sciences
- 6.7. Retail and Ecommerce
- 6.8. Manufacturing
- 6.9. Energy and Utilities
- 6.10. Automotive and Transportation
- 6.11. IT and Telecommunication
- 6.12. Other

CHAPTER 7. GLOBAL FEDERATED LEARNING SOLUTIONS MARKET, REGIONAL ANALYSIS

- 7.1. Top Leading Countries
- 7.2. Top Emerging Countries
- 7.3. Federated Learning Solutions Market, Regional Market Snapshot
- 7.4. North America Federated Learning Solutions Market
 - 7.4.1. U.S. Federated Learning Solutions Market
 - 7.4.1.1. Application breakdown estimates & forecasts, 2020-2030
 - 7.4.1.2. Verticals breakdown estimates & forecasts, 2020-2030
 - 7.4.2. Canada Federated Learning Solutions Market
- 7.5. Europe Federated Learning Solutions Market Snapshot
 - 7.5.1. U.K. Federated Learning Solutions Market
 - 7.5.2. Germany Federated Learning Solutions Market
 - 7.5.3. France Federated Learning Solutions Market
 - 7.5.4. Spain Federated Learning Solutions Market
 - 7.5.5. Italy Federated Learning Solutions Market
 - 7.5.6. Rest of Europe Federated Learning Solutions Market
- 7.6. Asia-Pacific Federated Learning Solutions Market Snapshot
 - 7.6.1. China Federated Learning Solutions Market
 - 7.6.2. India Federated Learning Solutions Market

- 7.6.3. Japan Federated Learning Solutions Market
- 7.6.4. Australia Federated Learning Solutions Market
- 7.6.5. South Korea Federated Learning Solutions Market
- 7.6.6. Rest of Asia Pacific Federated Learning Solutions Market
- 7.7. Latin America Federated Learning Solutions Market Snapshot
 - 7.7.1. Brazil Federated Learning Solutions Market
 - 7.7.2. Mexico Federated Learning Solutions Market
- 7.8. Middle East & Africa Federated Learning Solutions Market
 - 7.8.1. Saudi Arabia Federated Learning Solutions Market
 - 7.8.2. South Africa Federated Learning Solutions Market
 - 7.8.3. Rest of Middle East & Africa Federated Learning Solutions Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Company
 - 8.1.2. Company
 - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Intellegens Ltd.
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Recent Developments
 - 8.3.2. Microsoft Corporation
 - 8.3.3. Intel Corporation
 - 8.3.4. Cloudera Inc
 - 8.3.5. Edge Delta Inc.
 - 8.3.6. International Business Machines Corporation
 - 8.3.7. Enveil Inc.
 - 8.3.8. DataFleets Ltd
 - 8.3.9. Alphabet Inc
 - 8.3.10. Nvidia Corporation

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process

- 9.1.1. Data Mining
- 9.1.2. Analysis
- 9.1.3. Market Estimation
- 9.1.4. Validation
- 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Federated Learning Solutions Market, report scope

TABLE 2. Global Federated Learning Solutions Market estimates & forecasts by Region 2020-2030 (USD Million)

TABLE 3. Global Federated Learning Solutions Market estimates & forecasts by Application 2020-2030 (USD Million)

TABLE 4. Global Federated Learning Solutions Market estimates & forecasts by Verticals 2020-2030 (USD Million)

TABLE 5. Global Federated Learning Solutions Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 6. Global Federated Learning Solutions Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 7. Global Federated Learning Solutions Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 8. Global Federated Learning Solutions Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 9. Global Federated Learning Solutions Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 10. Global Federated Learning Solutions Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 11. Global Federated Learning Solutions Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 12. Global Federated Learning Solutions Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 13. Global Federated Learning Solutions Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 14. Global Federated Learning Solutions Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 15. U.S. Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 16. U.S. Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 17. U.S. Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 18. Canada Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 19. Canada Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 20. Canada Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 21. UK Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 22. UK Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 23. UK Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 24. Germany Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 25. Germany Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 26. Germany Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 27. France Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 28. France Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 29. France Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 30. Italy Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 31. Italy Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 32. Italy Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 33. Spain Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 34. Spain Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 35. Spain Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 36. RoE Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 37. RoE Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 38. RoE Federated Learning Solutions Market estimates & forecasts by

segment 2020-2030 (USD Million)

TABLE 39. China Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 40. China Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 41. China Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 42. India Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 43. India Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 44. India Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 45. Japan Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 46. Japan Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 47. Japan Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 48. South Korea Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 49. South Korea Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 50. South Korea Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 51. Australia Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 52. Australia Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 53. Australia Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 54. RoAPAC Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 55. RoAPAC Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 56. RoAPAC Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 57. Brazil Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 58. Brazil Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 59. Brazil Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 60. Mexico Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 61. Mexico Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 62. Mexico Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 63. RoLA Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 64. RoLA Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 65. RoLA Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 66. Saudi Arabia Federated Learning Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 67. South Africa Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 68. RoMEA Federated Learning Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 69. List of secondary sources, used in the study of global Federated Learning Solutions Market

TABLE 70. List of primary sources, used in the study of global Federated Learning Solutions Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures are dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Federated Learning Solutions Market, research methodology
- FIG 2. Global Federated Learning Solutions Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Federated Learning Solutions Market, key trends 2022
- FIG 5. Global Federated Learning Solutions Market, growth prospects 2023-2030
- FIG 6. Global Federated Learning Solutions Market, porters 5 force model
- FIG 7. Global Federated Learning Solutions Market, pest analysis
- FIG 8. Global Federated Learning Solutions Market, value chain analysis
- FIG 9. Global Federated Learning Solutions Market by segment, 2020 & 2030 (USD Million)
- FIG 10. Global Federated Learning Solutions Market by segment, 2020 & 2030 (USD Million)
- FIG 11. Global Federated Learning Solutions Market by segment, 2020 & 2030 (USD Million)
- FIG 12. Global Federated Learning Solutions Market by segment, 2020 & 2030 (USD Million)
- FIG 13. Global Federated Learning Solutions Market by segment, 2020 & 2030 (USD Million)
- FIG 14. Global Federated Learning Solutions Market, regional snapshot 2020 & 2030
- FIG 15. North America Federated Learning Solutions Market 2020 & 2030 (USD Million)
- FIG 16. Europe Federated Learning Solutions Market 2020 & 2030 (USD Million)
- FIG 17. Asia pacific Federated Learning Solutions Market 2020 & 2030 (USD Million)
- FIG 18. Latin America Federated Learning Solutions Market 2020 & 2030 (USD Million)
- FIG 19. Middle East & Africa Federated Learning Solutions Market 2020 & 2030 (USD Million)

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