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Federated Learning Solutions - Global Market Outlook (2020-2028)

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Abstracts

According to Stratistics MRC, the Global Federated Learning Solutions Market is accounted for $83.14 million in 2020 and is expected to reach $227.36 million by 2028 growing at a CAGR of 13.4% during the forecast period. The ability to ensure better data privacy, security by training algorithms on decentralized devices and the growing need to increase learning between devices & organizations are driving the market growth. However, a lack of skilled technical expertise is hampering the growth of the market.

Federated Learning is a machine learning setting where the objective is to train a high-quality unified model with training data distributed over a large number of clients each with unreliable and relatively slow network connections. Federated learning (also known as collaborative learning) is a machine learning technique that trains an algorithm across multiple decentralized edge devices or servers holding local data samples, without switching them.

Based on the end-user, the manufacturing segment is going to have lucrative growth during the forecast period. Smart manufacturing technologies are extensively accepted by manufacturers to advance the proficiency and efficiency of the industrial process while guaranteeing a high level of safety. In today’s competitive environment growing focus on IIoT with advances in artificial intelligence and machine learning manufacturers can access big data and use learning algorithms to analyze the data. But, the privacy of sensitive data for industries and manufacturing companies is a significant factor. Federated learning algorithms can be useful to these problems as they do not access or reveal any sensitive data.

By geography, Europe is going to have high growth during the forecast period. The

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market growth is accredited to the growing acceptance of technologies and the existence of a large number of federal learning solution vendors in the region. Other factors like stringent data regulations and rising demand for data privacy are predictable to increase the market in Europe.

Some of the key players profiled in the Federated Learning Solutions Market include Cloudera, Consilient, DataFleets, Decentralized Machine Learning, Edge Delta, Enveil, Extreme Vision, Google, IBM, Intellegens, Lifebit, Microsoft, NVIDIA, Owkin and Secure AI Labs company.

Applications Covered:

Data privacy and Security Management

Drug Discovery

Industrial Internet of Things (IIoT)

Online Visual Object Detection

Risk Management

Shopping Experience Personalization

Other Applications

End Users Covered:

Banking, Financial Services, and Insurance (BFSI)

Energy and Utilities

Healthcare and Life Sciences

Manufacturing

Retail and E-Commerce

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- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand

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South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025 and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market

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estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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