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Electronic Design Automation Market by Offering (Solutions, Services), Deployment Mode (Cloud-based deployment, On-premise deployment), Tool Type (Design tools, Verification Tools, Simulation Tools), and Geography - Global Forecast to 2030

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Abstracts

The research report titled, ‘Electronic design automation Market by Offering (Solutions, Services), Deployment Mode (Cloud-based deployment, On-premise deployment), Tool Type (Design tools, Verification Tools, Simulation Tools), and Geography—Global Forecast to 2030’, provides in-depth analysis of electronic design automation market across five major geographies and emphasizes on the current market trends, market sizes, market shares, recent developments, and forecasts till 2030.

The global electronic design automation market is expected to reach $17.47 billion by 2030, at a CAGR of 10.7% during the forecast period of 2023–2030.

The growth of this market is attributed to the growing need to reduce the complexity of integrated circuit designing, the increasing adoption of connected devices, and the rising demand for EDA solutions in the aerospace & defense sector. In addition, the growing adoption of cloud technologies across SMEs and the increasing integration of machine learning technology is expected to offer significant growth opportunities for the growth of this market. However, constant technological changes are a challenge for market growth.

Based on offering, the market is segmented into solutions and services. In 2023, the solutions segment is expected to account for the larger share of the overall electronic design automation market. The large market share of this segment is attributed to the growing demand for complex integrated circuits and the increasing adoption of

connected devices. However, the services segment is slated to register the highest CAGR during the forecast period.

Based on deployment mode, the market is segmented into on-premise deployment and cloud-based deployment. In 2023, the cloud-based deployment segment is expected to account for the larger share of the global electronic design automation market. The large market share of this segment is attributed to the rising adoption of connected devices, the increasing demand for complex integrated circuits, and technological advancement in consumer electronics. Furthermore, this segment is slated to register the highest CAGR during the forecast period.

Based on tool type, the global electronic design automation market is segmented into design tools, verification tools, and simulation tools. In 2023, the design tools segment is expected to account for the largest share of the global electronic design automation market. The large market share of this segment is attributed to the rise of very large-scale integration (VLSI) systems and the increasing complexity of ICs and PCBs. This segment is also slated to register the highest CAGR during the forecast period.

Geographic Review:

Based on geography, the market is broadly segmented into North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa. In 2023, Asia-Pacific is expected to account for the largest share of the global electronic design automation market. The growth of this region is attributed to the rising number of electronic manufacturing companies and increased demand for consumer devices. As a result, the demand for electronic design automation solutions in the region is expected to expand.

The key players operating in the global electronic design automation market are Cadence Design Systems, Inc. (U.S.), Synopsys, Inc. (U.S.), Siemens AG (Germany), ANSYS, Inc. (U.S.), Keysight Technologies, Inc. (U.S.), Xilinx, Inc. (U.S.), eInfochips (U.S.), Altium Limited (U.S.), Zuken (Japan), Silvaco, Inc. (U.S.), Altair Engineering Inc. (U.S.), Autodesk, Inc. (U.S.), EnSilica (U.K.), EMWorks, Inc. (Canada), and Aldec, Inc. (U.S.).

Key questions answered in the report:

- Which are the high growth market segments in terms of offering, deployment mode, tool type, and countries?

What is the historical market for electronic design automation across the globe?

What are the market forecasts and estimates from 2023–2030?

What are the major drivers, restraints, and opportunities in the global electronic design automation market?

Who are the major players in the global electronic design automation market, and what shares of the market do they hold?

Who are the major players in various countries, and what shares of the market do they hold?

How is the competitive landscape?

What are the recent developments in the global electronic design automation market?

What are the different strategies adopted by the major players in the global electronic design automation market?

What are the geographical trends and high growth countries?

Who are the local emerging players in the global electronic design automation market and how do they compete with the other players?

Scope of the Report:

Market by Offering

Solutions

Computer-aided Engineering

IC Physical Design & Verification

PCB & MCM Design

Semiconductor IP Design

Services

Market by Deployment Mode

On-premise deployment

Cloud-based deployment

Market by Tool Type

Design Tools

Verification Tools

Simulation Tools

Market by Geography

North America

U.S.

Canada

Europe

Germany

U.K.

France

Italy

- Spain
- Rest of Europe

Asia-Pacific

- China
- India
- Japan
- South Korea
- Singapore
- Taiwan
- Rest of Asia-Pacific

Latin America

Middle East & Africa

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