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Global Electronic Design Automation (EDA) Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Electronic Design Automation (EDA) market size was valued at USD 556.7 million in 2023 and is forecast to a readjusted size of USD 843.9 million by 2030 with a CAGR of 6.1% during review period.

In the electronic industry, several designers and manufacturers are using EDA tools to design and examine semiconductor devices. The adoption of EDA tools is leading to a reduction in cost, errors, and design time owing to which the industry is witnessing a growing demand for these tools from automotive, consumer electronics and aerospace, and defense sectors. Growing adoption of SoC and a high demand for smart wearable devices, such as smart thermostats, smartwatches, fitness bands, and pet wearable devices, are the key factors driving the EDA market growth.

The Global Info Research report includes an overview of the development of the Electronic Design Automation (EDA) industry chain, the market status of Aerospace & Defense (Computer Aided Engineering (CAE), IC Physical Design & Verification), Automotive (Computer Aided Engineering (CAE), IC Physical Design & Verification), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Electronic Design Automation (EDA).

Regionally, the report analyzes the Electronic Design Automation (EDA) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Electronic Design Automation (EDA) market, with robust

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domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Electronic Design Automation (EDA) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Electronic Design Automation (EDA) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Computer Aided Engineering (CAE), IC Physical Design & Verification).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Electronic Design Automation (EDA) market.

Regional Analysis: The report involves examining the Electronic Design Automation (EDA) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Electronic Design Automation (EDA) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Electronic Design Automation (EDA):

Company Analysis: Report covers individual Electronic Design Automation (EDA) players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and

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attitudes towards Electronic Design Automation (EDA) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Aerospace & Defense, Automotive).

Technology Analysis: Report covers specific technologies relevant to Electronic Design Automation (EDA). It assesses the current state, advancements, and potential future developments in Electronic Design Automation (EDA) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Electronic Design Automation (EDA) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Electronic Design Automation (EDA) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Computer Aided Engineering (CAE)

IC Physical Design & Verification

Printed Circuit Board (PCB) and Multi-Chip Module (MCM)

Semiconductor Intellectual Property (SIP)

Services

Market segment by Application

Aerospace & Defense

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Automotive

Consumer Electronics

Industrial

Medical

Telecommunications

Others

Market segment by players, this report covers

Cadence Design Systems

Mentor Graphics (Siemen)

Synopsys

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

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

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Electronic Design Automation (EDA) product scope, market

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overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Electronic Design Automation (EDA), with revenue, gross margin and global market share of Electronic Design Automation (EDA) from 2019 to 2024.

Chapter 3, the Electronic Design Automation (EDA) competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024.and Electronic Design Automation (EDA) market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Electronic Design Automation (EDA).

Chapter 13, to describe Electronic Design Automation (EDA) research findings and conclusion.

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