

# Electronic Design Automation Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

## EDA SOFTWARE: THE ENGINE BEHIND DIGITAL TRANSFORMATION

Electric design automation (EDA) is a category of software tools used for the design of integrated circuits (ICs) and printed circuit boards (PCBs).

This report breaks electronic design automation software into three distinct application segments:

- Computer-aided Engineering
- Integrated Circuit Physical Design and Verification
- Printed Circuit Board and Multi-Chip Module

While the bulk of EDA software is still primarily utilized within the semiconductor industry, the emergence of several trends associated with digital transformation has brought IC and complex PCB design to a much broader market.

In the automotive industry, original equipment manufacturers are investing in EDA software to develop the next generation of electrified, autonomous vehicles. In aerospace & defense, powerful EDA capabilities are becoming more and more important as avionic systems grow in complexity.

Across all industries, technologies such as 5G telecommunication, machine learning, cloud computing, edge computing, and cybersecurity have become key components of strategic roadmaps. This is putting further pressure on semiconductor and high-tech electronics suppliers to innovate, which in turn drives the EDA software market.

For more information, please visit us at [www.arcweb.com/market-studies/](http://www.arcweb.com/market-studies/).

## STRATEGIC ISSUES

Digitalization of the industrial sector has created a new and growing market for electronic design automation end-users. Success in this emerging space will rely on strong partnerships between industrial companies and semiconductor design companies to meet requirements unique to the industrial sector. EDA suppliers who track these trends will be better prepared to address the IIoT and Smart Connected Product markets.

## RESEARCH FORMATS

This research is available as a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

## RESEARCH FOCUS AREAS

### STRATEGIC ANALYSIS

- Major Trends
- Regional Trends
- Industry Trends
- Strategic Recommendations

### COMPETITIVE ANALYSIS

- Market Shares of the Leading Suppliers
- Market Shares by Region
  - North America
  - Europe, Middle East, Africa
  - Asia
  - Latin America

### Market Shares by Revenue Category

- Software
- Services

### Market Shares by Software Application

- CAE
- IC Physical
- PCB/MCM

### Market Shares by Service Type

- Consulting
- Implementation
- Maintenance

### Market Shares by Industry

- Semiconductor
- Automotive

- Aerospace & Defense
- Electronics & Electrical

### Market Shares by Sales Channel

### MARKET FORECASTS

- Total Electronic Design Automation Business
- Shipments by Region
- Shipments by Revenue Category
- Shipments by Software Application

- Shipments by Service Type
- Shipments by Industry
- Shipments by Sales Channel

### INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.

Worldwide Electronic Design Automation Market

