

Global Engineering Software Market Size Study, by Component (Software, Services), by Deployment (Cloud, On-Premises), by Application (Design Automation, Product Design & Testing, Plant Design, Drafting & 3D Modeling, Others), by End Use (Automotive, Aerospace & Defense, Electronics, Medical Devices, Architecture, Engineering and Construction (AEC), Others), and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/GC5F3338B7FFEN.html>

Date: January 2025

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: GC5F3338B7FFEN

Abstracts

The global engineering software market was valued at approximately USD 35.77 billion in 2023 and is projected to grow with a robust CAGR of 20.3% during the forecast period of 2024-2032. The industry is witnessing significant transformations driven by rapid digitalization and the increasing adoption of advanced technologies such as digital twins, 3D printing, and cloud computing. The engineering software market enables businesses to streamline operations, enhance design precision, and optimize processes, thus playing a pivotal role across industries such as automotive, aerospace, and construction.

The adoption of digital twin technology is a critical driver of this market, as industries increasingly rely on virtual replicas of physical systems to simulate, monitor, and optimize operations. Furthermore, the surge in demand for cloud-based solutions is reshaping the market landscape, allowing for real-time collaboration and enhanced scalability. These trends are particularly beneficial for small and medium-sized enterprises (SMEs) aiming to reduce operational costs while improving efficiency.

The engineering software industry is also benefiting from the rise of 3D printing and additive manufacturing technologies. These technologies rely on advanced engineering software for designing intricate models and optimizing performance under various scenarios. Governments worldwide are supporting infrastructure modernization initiatives and smart city projects, further driving demand for advanced software solutions tailored to architecture, engineering, and construction (AEC) applications.

However, the market faces challenges, such as high implementation costs and data security concerns, particularly in cloud-based deployments. Despite these hurdles, the integration of artificial intelligence and machine learning into engineering solutions is opening new opportunities, enabling predictive maintenance and enhanced design optimization.

The competitive landscape of the engineering software market is characterized by innovations and strategic collaborations. Major players are focusing on integrating cloud capabilities and AI-driven tools to maintain a competitive edge. Additionally, emerging players are introducing cost-effective and niche-specific solutions to capture market share.

The key regions considered in this study include North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa. North America leads the market due to its robust technological infrastructure and high adoption of advanced engineering tools. Meanwhile, Asia Pacific is expected to exhibit the fastest growth, driven by the burgeoning automotive and aerospace sectors and increasing investment in smart manufacturing.

Major companies in the engineering software market include ANSYS, Inc., Autodesk Inc., Bentley Systems, Incorporated, Dassault Systèmes, Siemens, and ZWSOFT CO., LTD. These players are continuously innovating to offer more integrated and user-friendly solutions, focusing on cloud-based platforms, advanced modeling, and simulation capabilities.

Major market players included in this report are:

ANSYS, Inc.

Autodesk Inc.

Bentley Systems, Incorporated

Dassault Syst?mes

Siemens

3D Systems Inc.

PTC

Hexagon AB

ZWSOFT CO., LTD.

Mastercam

The detailed segments and sub-segments of the market are explained below:

By Component:

Software

Computer-Aided Design (CAD) Software

Computer-Aided Manufacturing (CAM) Software

Computer-Aided Engineering (CAE) Software

Others

Services

Development Services

Training, Support & Maintenance

By Deployment:

Cloud

On-Premises

By Application:

Design Automation

Product Design & Testing

Plant Design

Drafting & 3D Modeling

Others

By End Use:

Automotive

Aerospace & Defense

Electronics

Medical Devices

Architecture, Engineering, and Construction (AEC)

Others

By Region:

North America:

U.S.

Canada

Mexico

Europe:

UK

Germany

France

Asia Pacific:

China

India

Japan

South Korea

Australia

Latin America:

Brazil

Middle East & Africa:

Kingdom of Saudi Arabia (KSA)

UAE

South Africa

Years considered for the study:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Regional level analysis for each market segment.

Competitive landscape with information on major players in the market.

Insights into key strategies and recommendations for future market approach.

Demand and supply-side analysis of the market.

Contents

CHAPTER 1. GLOBAL ENGINEERING SOFTWARE MARKET EXECUTIVE SUMMARY

- 1.1. Global Engineering Software Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Component
 - 1.3.2. By Deployment
 - 1.3.3. By Application
 - 1.3.4. By End Use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL ENGINEERING SOFTWARE MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL ENGINEERING SOFTWARE MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Adoption of Digital Twin Technology in Manufacturing and Automotive
- 3.1.2. Growing Shift Toward Cloud-Based Solutions
- 3.1.3. Expanding Use of 3D Printing and Additive Manufacturing

3.2. Market Challenges

- 3.2.1. High Cost of Advanced Software Solutions
- 3.2.2. Data Security Concerns with Cloud-Based Systems

3.3. Market Opportunities

- 3.3.1. Infrastructure Modernization and Smart City Initiatives
- 3.3.2. Integration of AI and Machine Learning in Engineering Solutions
- 3.3.3. Growing Need for Modular and Customizable Design Software

CHAPTER 4. GLOBAL ENGINEERING SOFTWARE MARKET INDUSTRY ANALYSIS

4.1. Porter's Five Forces 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. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunities

4.4. Winning Strategies

4.5. Disruptive Trends in the Market

4.6. Industry Expert Perspective

CHAPTER 5. GLOBAL ENGINEERING SOFTWARE MARKET SIZE & FORECAST BY COMPONENT (2022-2032)

5.1. Segment Dashboard

5.2. Global Engineering Software Market: Component Revenue Trend Analysis (2022-2032)

- 5.2.1. Software
- 5.2.2. Services

CHAPTER 6. GLOBAL ENGINEERING SOFTWARE MARKET SIZE & FORECAST BY DEPLOYMENT (2022-2032)

- 6.1. Segment Dashboard
- 6.2. Global Engineering Software Market: Deployment Revenue Trend Analysis (2022-2032)
 - 6.2.1. Cloud
 - 6.2.2. On-Premises

CHAPTER 7. GLOBAL ENGINEERING SOFTWARE MARKET SIZE & FORECAST BY APPLICATION (2022-2032)

- 7.1. Segment Dashboard
- 7.2. Global Engineering Software Market: Application Revenue Trend Analysis (2022-2032)
 - 7.2.1. Design Automation
 - 7.2.2. Product Design & Testing
 - 7.2.3. Plant Design
 - 7.2.4. Drafting & 3D Modeling
 - 7.2.5. Others

CHAPTER 8. GLOBAL ENGINEERING SOFTWARE MARKET SIZE & FORECAST BY END USE (2022-2032)

- 8.1. Segment Dashboard
- 8.2. Global Engineering Software Market: End-Use Revenue Trend Analysis (2022-2032)
 - 8.2.1. Automotive
 - 8.2.2. Aerospace & Defense
 - 8.2.3. Electronics
 - 8.2.4. Medical Devices
 - 8.2.5. Architecture, Engineering, and Construction (AEC)
 - 8.2.6. Others

CHAPTER 9. GLOBAL ENGINEERING SOFTWARE MARKET SIZE & FORECAST BY REGION (2022-2032)

9.1. North America Engineering Software Market

9.1.1. U.S.

9.1.2. Canada

9.1.3. Mexico

9.2. Europe Engineering Software Market

9.2.1. UK

9.2.2. Germany

9.2.3. France

9.3. Asia Pacific Engineering Software Market

9.3.1. China

9.3.2. India

9.3.3. Japan

9.3.4. South Korea

9.4. Latin America Engineering Software Market

9.4.1. Brazil

9.5. Middle East & Africa Engineering Software Market

9.5.1. Kingdom of Saudi Arabia (KSA)

9.5.2. UAE

9.5.3. South Africa

CHAPTER 10. COMPETITIVE INTELLIGENCE

10.1. Key Company SWOT Analysis

10.1.1. Autodesk Inc.

10.1.2. Siemens

10.1.3. ANSYS, Inc.

10.2. Top Market Strategies

10.3. Company Profiles

10.3.1. Bentley Systems, Incorporated

10.3.2. Dassault Systèmes

10.3.3. 3D Systems Inc.

10.3.4. PTC

10.3.5. Hexagon AB

10.3.6. ZWSOFT CO., LTD.

CHAPTER 11. RESEARCH PROCESS

- 11.1. Data Mining
- 11.2. Analysis
- 11.3. Market Estimation
- 11.4. Validation
- 11.5. Publishing

12. LIST OF TABLES

TABLE 1. Global Engineering Software Market Report Scope

TABLE 2. Global Engineering Software Market Estimates & Forecasts by Region (2022-2032)

TABLE 3. Global Engineering Software Market Estimates & Forecasts by Component (2022-2032)

TABLE 4. Global Engineering Software Market Estimates & Forecasts by Deployment (2022-2032)

TABLE 5. Global Engineering Software Market Estimates & Forecasts by Application (2022-2032)

TABLE 6. Regional Engineering Software Market Trends and Drivers

TABLE 7. Competitive Landscape Overview of Key Players

This list is not complete; the final report will contain more than 100 tables. The list may be updated in the final deliverable.

12. LIST OF FIGURES

FIG 1. Global Engineering Software Market Research Methodology

FIG 2. Global Engineering Software Market Size Estimates & Forecast Methods

FIG 3. Global Engineering Software Market Trends and Dynamics

FIG 4. Global Engineering Software Market Segment Performance (2022 & 2032)

FIG 5. Global Engineering Software Market Regional Snapshot (2022-2032)

FIG 6. North America Engineering Software Market Size Breakdown by Component and Deployment

FIG 7. Europe Engineering Software Market Segment Analysis (2022-2032)

This list is not complete; the final report will contain more than 50 figures. The list may be updated in the final deliverable.

I would like to order

Product name: Global Engineering Software Market Size Study, by Component (Software, Services), by Deployment (Cloud, On-Premises), by Application (Design Automation, Product Design & Testing, Plant Design, Drafting & 3D Modeling, Others), by End Use (Automotive, Aerospace & Defense, Electronics, Medical Devices, Architecture, Engineering and Construction (AEC), Others), and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/GC5F3338B7FFEN.html>

Price: US\$ 3,750.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GC5F3338B7FFEN.html>