

# Global CAE Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023

<https://marketpublishers.com/r/GFF5C32A651EN.html>

Date: December 2018

Pages: 129

Price: US\$ 3,480.00 (Single User License)

ID: GFF5C32A651EN

## Abstracts

Computer-aided engineering (CAE) is the use of computer software to simulate performance in order to improve product designs or assist in the resolution of engineering problems for a wide range of industries. This includes simulation, validation and optimization of products, processes, and manufacturing tools.

### Scope of the Report:

This report studies the CAE market status and outlook of Global and major regions, from angles of players, countries, product types and end industries; this report analyzes the top players in global market, and splits the CAE market by product type and applications/end industries.

The growing penetration of IoT, tablets, and smartphones are expected to boost the CAE market growth. Owing to the growth of IOT, wearable devices, used in the fields of medicine, fitness, transportation, education, entertainment, and gaming, are increasing; paving way for growth of the CAE market. Miniaturization of electronic devices and sensors and persuasive connectivity with lowered costs have immensely contributed to the growth of wearable technology devices.

The global CAE market is valued at xx million USD in 2017 and is expected to reach xx million USD by the end of 2023, growing at a CAGR of xx% between 2017 and 2023.

The Asia-Pacific will occupy for more market share in following years, especially in China, also fast growing India and Southeast Asia regions.

North America, especially The United States, will still play an important role which cannot be ignored. Any changes from United States might affect the development trend of CAE.

Europe also play important roles in global market, with market size of xx million USD in 2017 and will be xx million USD in 2023, with a CAGR of xx%.

Market Segment by Companies, this report covers

ANSYS

Dassault Systèmes

Hexagon

PTC

Siemens PLM Software

Altair

Applied Math Modeling

Ceetron

COMSOL

ESI

Exa

NUMECA

Simerics

Symscape

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

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

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Finite Element Analysis (FEA)

Computational Fluid Dynamics (CFD)

Multibody Dynamics

Optimization & Simulation

Market Segment by Applications, can be divided into

Automotive Industry

Aerospace and Defense Industry

Electrical and Electronics Industry

Others

## Contents

### 1 CAE MARKET OVERVIEW

- 1.1 Product Overview and Scope of CAE
- 1.2 Classification of CAE by Types
  - 1.2.1 Global CAE Revenue Comparison by Types (2017-2023)
  - 1.2.2 Global CAE Revenue Market Share by Types in 2017
  - 1.2.3 Finite Element Analysis (FEA)
  - 1.2.4 Computational Fluid Dynamics (CFD)
  - 1.2.5 Multibody Dynamics
  - 1.2.6 Optimization & Simulation
- 1.3 Global CAE Market by Application
  - 1.3.1 Global CAE Market Size and Market Share Comparison by Applications (2013-2023)
  - 1.3.2 Automotive Industry
  - 1.3.3 Aerospace and Defense Industry
  - 1.3.4 Electrical and Electronics Industry
  - 1.3.5 Others
- 1.4 Global CAE Market by Regions
  - 1.4.1 Global CAE Market Size (Million USD) Comparison by Regions (2013-2023)
    - 1.4.1 North America (USA, Canada and Mexico) CAE Status and Prospect (2013-2023)
    - 1.4.2 Europe (Germany, France, UK, Russia and Italy) CAE Status and Prospect (2013-2023)
    - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia) CAE Status and Prospect (2013-2023)
    - 1.4.4 South America (Brazil, Argentina, Colombia) CAE Status and Prospect (2013-2023)
    - 1.4.5 Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa) CAE Status and Prospect (2013-2023)
- 1.5 Global Market Size of CAE (2013-2023)

### 2 MANUFACTURERS PROFILES

- 2.1 ANSYS
  - 2.1.1 Business Overview
  - 2.1.2 CAE Type and Applications
    - 2.1.2.1 Product A

- 2.1.2.2 Product B
- 2.1.3 ANSYS CAE Revenue, Gross Margin and Market Share (2016-2017)
- 2.2 Dassault Systèmes
  - 2.2.1 Business Overview
  - 2.2.2 CAE Type and Applications
    - 2.2.2.1 Product A
    - 2.2.2.2 Product B
  - 2.2.3 Dassault Systèmes CAE Revenue, Gross Margin and Market Share (2016-2017)
- 2.3 Hexagon
  - 2.3.1 Business Overview
  - 2.3.2 CAE Type and Applications
    - 2.3.2.1 Product A
    - 2.3.2.2 Product B
  - 2.3.3 Hexagon CAE Revenue, Gross Margin and Market Share (2016-2017)
- 2.4 PTC
  - 2.4.1 Business Overview
  - 2.4.2 CAE Type and Applications
    - 2.4.2.1 Product A
    - 2.4.2.2 Product B
  - 2.4.3 PTC CAE Revenue, Gross Margin and Market Share (2016-2017)
- 2.5 Siemens PLM Software
  - 2.5.1 Business Overview
  - 2.5.2 CAE Type and Applications
    - 2.5.2.1 Product A
    - 2.5.2.2 Product B
  - 2.5.3 Siemens PLM Software CAE Revenue, Gross Margin and Market Share (2016-2017)
- 2.6 Altair
  - 2.6.1 Business Overview
  - 2.6.2 CAE Type and Applications
    - 2.6.2.1 Product A
    - 2.6.2.2 Product B
  - 2.6.3 Altair CAE Revenue, Gross Margin and Market Share (2016-2017)
- 2.7 Applied Math Modeling
  - 2.7.1 Business Overview
  - 2.7.2 CAE Type and Applications
    - 2.7.2.1 Product A
    - 2.7.2.2 Product B
  - 2.7.3 Applied Math Modeling CAE Revenue, Gross Margin and Market Share

(2016-2017)

## 2.8 Ceetron

2.8.1 Business Overview

2.8.2 CAE Type and Applications

2.8.2.1 Product A

2.8.2.2 Product B

2.8.3 Ceetron CAE Revenue, Gross Margin and Market Share (2016-2017)

## 2.9 COMSOL

2.9.1 Business Overview

2.9.2 CAE Type and Applications

2.9.2.1 Product A

2.9.2.2 Product B

2.9.3 COMSOL CAE Revenue, Gross Margin and Market Share (2016-2017)

## 2.10 ESI

2.10.1 Business Overview

2.10.2 CAE Type and Applications

2.10.2.1 Product A

2.10.2.2 Product B

2.10.3 ESI CAE Revenue, Gross Margin and Market Share (2016-2017)

## 2.11 Exa

2.11.1 Business Overview

2.11.2 CAE Type and Applications

2.11.2.1 Product A

2.11.2.2 Product B

2.11.3 Exa CAE Revenue, Gross Margin and Market Share (2016-2017)

## 2.12 NUMECA

2.12.1 Business Overview

2.12.2 CAE Type and Applications

2.12.2.1 Product A

2.12.2.2 Product B

2.12.3 NUMECA CAE Revenue, Gross Margin and Market Share (2016-2017)

## 2.13 Simerics

2.13.1 Business Overview

2.13.2 CAE Type and Applications

2.13.2.1 Product A

2.13.2.2 Product B

2.13.3 Simerics CAE Revenue, Gross Margin and Market Share (2016-2017)

## 2.14 Symscape

2.14.1 Business Overview

#### 2.14.2 CAE Type and Applications

##### 2.14.2.1 Product A

##### 2.14.2.2 Product B

#### 2.14.3 Symscape CAE Revenue, Gross Margin and Market Share (2016-2017)

### **3 GLOBAL CAE MARKET COMPETITION, BY PLAYERS**

#### 3.1 Global CAE Revenue and Share by Players (2013-2018)

#### 3.2 Market Concentration Rate

##### 3.2.1 Top 5 CAE Players Market Share

##### 3.2.2 Top 10 CAE Players Market Share

#### 3.3 Market Competition Trend

### **4 GLOBAL CAE MARKET SIZE BY REGIONS**

#### 4.1 Global CAE Revenue and Market Share by Regions

#### 4.2 North America CAE Revenue and Growth Rate (2013-2018)

#### 4.3 Europe CAE Revenue and Growth Rate (2013-2018)

#### 4.4 Asia-Pacific CAE Revenue and Growth Rate (2013-2018)

#### 4.5 South America CAE Revenue and Growth Rate (2013-2018)

#### 4.6 Middle East and Africa CAE Revenue and Growth Rate (2013-2018)

### **5 NORTH AMERICA CAE REVENUE BY COUNTRIES**

#### 5.1 North America CAE Revenue by Countries (2013-2018)

#### 5.2 USA CAE Revenue and Growth Rate (2013-2018)

#### 5.3 Canada CAE Revenue and Growth Rate (2013-2018)

#### 5.4 Mexico CAE Revenue and Growth Rate (2013-2018)

### **6 EUROPE CAE REVENUE BY COUNTRIES**

#### 6.1 Europe CAE Revenue by Countries (2013-2018)

#### 6.2 Germany CAE Revenue and Growth Rate (2013-2018)

#### 6.3 UK CAE Revenue and Growth Rate (2013-2018)

#### 6.4 France CAE Revenue and Growth Rate (2013-2018)

#### 6.5 Russia CAE Revenue and Growth Rate (2013-2018)

#### 6.6 Italy CAE Revenue and Growth Rate (2013-2018)

### **7 ASIA-PACIFIC CAE REVENUE BY COUNTRIES**

- 7.1 Asia-Pacific CAE Revenue by Countries (2013-2018)
- 7.2 China CAE Revenue and Growth Rate (2013-2018)
- 7.3 Japan CAE Revenue and Growth Rate (2013-2018)
- 7.4 Korea CAE Revenue and Growth Rate (2013-2018)
- 7.5 India CAE Revenue and Growth Rate (2013-2018)
- 7.6 Southeast Asia CAE Revenue and Growth Rate (2013-2018)

## **8 SOUTH AMERICA CAE REVENUE BY COUNTRIES**

- 8.1 South America CAE Revenue by Countries (2013-2018)
- 8.2 Brazil CAE Revenue and Growth Rate (2013-2018)
- 8.3 Argentina CAE Revenue and Growth Rate (2013-2018)
- 8.4 Colombia CAE Revenue and Growth Rate (2013-2018)

## **9 MIDDLE EAST AND AFRICA REVENUE CAE BY COUNTRIES**

- 9.1 Middle East and Africa CAE Revenue by Countries (2013-2018)
- 9.2 Saudi Arabia CAE Revenue and Growth Rate (2013-2018)
- 9.3 UAE CAE Revenue and Growth Rate (2013-2018)
- 9.4 Egypt CAE Revenue and Growth Rate (2013-2018)
- 9.5 Nigeria CAE Revenue and Growth Rate (2013-2018)
- 9.6 South Africa CAE Revenue and Growth Rate (2013-2018)

## **10 GLOBAL CAE MARKET SEGMENT BY TYPE**

- 10.1 Global CAE Revenue and Market Share by Type (2013-2018)
- 10.2 Global CAE Market Forecast by Type (2018-2023)
- 10.3 Finite Element Analysis (FEA) Revenue Growth Rate (2013-2023)
- 10.4 Computational Fluid Dynamics (CFD) Revenue Growth Rate (2013-2023)
- 10.5 Multibody Dynamics Revenue Growth Rate (2013-2023)
- 10.6 Optimization & Simulation Revenue Growth Rate (2013-2023)

## **11 GLOBAL CAE MARKET SEGMENT BY APPLICATION**

- 11.1 Global CAE Revenue Market Share by Application (2013-2018)
- 11.2 CAE Market Forecast by Application (2018-2023)
- 11.3 Automotive Industry Revenue Growth (2013-2018)
- 11.4 Aerospace and Defense Industry Revenue Growth (2013-2018)



11.5 Electrical and Electronics Industry Revenue Growth (2013-2018)

11.6 Others Revenue Growth (2013-2018)

## **12 GLOBAL CAE MARKET SIZE FORECAST (2018-2023)**

12.1 Global CAE Market Size Forecast (2018-2023)

12.2 Global CAE Market Forecast by Regions (2018-2023)

12.3 North America CAE Revenue Market Forecast (2018-2023)

12.4 Europe CAE Revenue Market Forecast (2018-2023)

12.5 Asia-Pacific CAE Revenue Market Forecast (2018-2023)

12.6 South America CAE Revenue Market Forecast (2018-2023)

12.7 Middle East and Africa CAE Revenue Market Forecast (2018-2023)

## **13 RESEARCH FINDINGS AND CONCLUSION**

## **14 APPENDIX**

14.1 Methodology

14.2 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure CAE Picture

Table Product Specifications of CAE

Table Global CAE and Revenue (Million USD) Market Split by Product Type

Figure Global CAE Revenue Market Share by Types in 2017

Figure Finite Element Analysis (FEA) Picture

Figure Computational Fluid Dynamics (CFD) Picture

Figure Multibody Dynamics Picture

Figure Optimization & Simulation Picture

Table Global CAE Revenue (Million USD) by Application (2013-2023)

Figure CAE Revenue Market Share by Applications in 2017

Figure Automotive Industry Picture

Figure Aerospace and Defense Industry Picture

Figure Electrical and Electronics Industry Picture

Figure Others Picture

Table Global Market CAE Revenue (Million USD) Comparison by Regions 2013-2023

Figure North America CAE Revenue (Million USD) and Growth Rate (2013-2023)

Figure Europe CAE Revenue (Million USD) and Growth Rate (2013-2023)

Figure Asia-Pacific CAE Revenue (Million USD) and Growth Rate (2013-2023)

Figure South America CAE Revenue (Million USD) and Growth Rate (2013-2023)

Figure Middle East and Africa CAE Revenue (Million USD) and Growth Rate (2013-2023)

Figure Global CAE Revenue (Million USD) and Growth Rate (2013-2023)

Table ANSYS Basic Information, Manufacturing Base and Competitors

Table ANSYS CAE Type and Applications

Table ANSYS CAE Revenue, Gross Margin and Market Share (2016-2017)

Table Dassault Systèmes Basic Information, Manufacturing Base and Competitors

Table Dassault Systèmes CAE Type and Applications

Table Dassault Systèmes CAE Revenue, Gross Margin and Market Share (2016-2017)

Table Hexagon Basic Information, Manufacturing Base and Competitors

Table Hexagon CAE Type and Applications

Table Hexagon CAE Revenue, Gross Margin and Market Share (2016-2017)

Table PTC Basic Information, Manufacturing Base and Competitors

Table PTC CAE Type and Applications

Table PTC CAE Revenue, Gross Margin and Market Share (2016-2017)

Table Siemens PLM Software Basic Information, Manufacturing Base and Competitors

Table Siemens PLM Software CAE Type and Applications
Table Siemens PLM Software CAE Revenue, Gross Margin and Market Share (2016-2017)
Table Altair Basic Information, Manufacturing Base and Competitors
Table Altair CAE Type and Applications
Table Altair CAE Revenue, Gross Margin and Market Share (2016-2017)
Table Applied Math Modeling Basic Information, Manufacturing Base and Competitors
Table Applied Math Modeling CAE Type and Applications
Table Applied Math Modeling CAE Revenue, Gross Margin and Market Share (2016-2017)
Table Ceetron Basic Information, Manufacturing Base and Competitors
Table Ceetron CAE Type and Applications
Table Ceetron CAE Revenue, Gross Margin and Market Share (2016-2017)
Table COMSOL Basic Information, Manufacturing Base and Competitors
Table COMSOL CAE Type and Applications
Table COMSOL CAE Revenue, Gross Margin and Market Share (2016-2017)
Table ESI Basic Information, Manufacturing Base and Competitors
Table ESI CAE Type and Applications
Table ESI CAE Revenue, Gross Margin and Market Share (2016-2017)
Table Exa Basic Information, Manufacturing Base and Competitors
Table Exa CAE Type and Applications
Table Exa CAE Revenue, Gross Margin and Market Share (2016-2017)
Table NUMECA Basic Information, Manufacturing Base and Competitors
Table NUMECA CAE Type and Applications
Table NUMECA CAE Revenue, Gross Margin and Market Share (2016-2017)
Table Simerics Basic Information, Manufacturing Base and Competitors
Table Simerics CAE Type and Applications
Table Simerics CAE Revenue, Gross Margin and Market Share (2016-2017)
Table Symscap Basic Information, Manufacturing Base and Competitors
Table Symscap CAE Type and Applications
Table Symscap CAE Revenue, Gross Margin and Market Share (2016-2017)
Table Global CAE Revenue (Million USD) by Players (2013-2018)
Table Global CAE Revenue Share by Players (2013-2018)
Figure Global CAE Revenue Share by Players in 2016
Figure Global CAE Revenue Share by Players in 2017
Figure Global Top 5 Players CAE Revenue Market Share in 2017
Figure Global Top 10 Players CAE Revenue Market Share in 2017
Figure Global CAE Revenue (Million USD) and Growth Rate (%) (2013-2018)
Table Global CAE Revenue (Million USD) by Regions (2013-2018)

Table Global CAE Revenue Market Share by Regions (2013-2018)	
Figure Global CAE Revenue Market Share by Regions (2013-2018)	
Figure Global CAE Revenue Market Share by Regions in 2017	
Figure North America CAE Revenue and Growth Rate (2013-2018)	
Figure Europe CAE Revenue and Growth Rate (2013-2018)	
Figure Asia-Pacific CAE Revenue and Growth Rate (2013-2018)	
Figure South America CAE Revenue and Growth Rate (2013-2018)	
Figure Middle East and Africa CAE Revenue and Growth Rate (2013-2018)	
Table North America CAE Revenue by Countries (2013-2018)	
Table North America CAE Revenue Market Share by Countries (2013-2018)	
Figure North America CAE Revenue Market Share by Countries (2013-2018)	
Figure North America CAE Revenue Market Share by Countries in 2017	
Figure USA CAE Revenue and Growth Rate (2013-2018)	
Figure Canada CAE Revenue and Growth Rate (2013-2018)	
Figure Mexico CAE Revenue and Growth Rate (2013-2018)	
Table Europe CAE Revenue (Million USD) by Countries (2013-2018)	
Figure Europe CAE Revenue Market Share by Countries (2013-2018)	
Figure Europe CAE Revenue Market Share by Countries in 2017	
Figure Germany CAE Revenue and Growth Rate (2013-2018)	
Figure UK CAE Revenue and Growth Rate (2013-2018)	
Figure France CAE Revenue and Growth Rate (2013-2018)	
Figure Russia CAE Revenue and Growth Rate (2013-2018)	
Figure Italy CAE Revenue and Growth Rate (2013-2018)	
Table Asia-Pacific CAE Revenue (Million USD) by Countries (2013-2018)	
Figure Asia-Pacific CAE Revenue Market Share by Countries (2013-2018)	
Figure Asia-Pacific CAE Revenue Market Share by Countries in 2017	
Figure China CAE Revenue and Growth Rate (2013-2018)	
Figure Japan CAE Revenue and Growth Rate (2013-2018)	
Figure Korea CAE Revenue and Growth Rate (2013-2018)	
Figure India CAE Revenue and Growth Rate (2013-2018)	
Figure Southeast Asia CAE Revenue and Growth Rate (2013-2018)	
Table South America CAE Revenue by Countries (2013-2018)	
Table South America CAE Revenue Market Share by Countries (2013-2018)	
Figure South America CAE Revenue Market Share by Countries (2013-2018)	
Figure South America CAE Revenue Market Share by Countries in 2017	
Figure Brazil CAE Revenue and Growth Rate (2013-2018)	
Figure Argentina CAE Revenue and Growth Rate (2013-2018)	
Figure Colombia CAE Revenue and Growth Rate (2013-2018)	
Table Middle East and Africa CAE Revenue (Million USD) by Countries (2013-2018)	

Table Middle East and Africa CAE Revenue Market Share by Countries (2013-2018)  
Figure Middle East and Africa CAE Revenue Market Share by Countries (2013-2018)  
Figure Middle East and Africa CAE Revenue Market Share by Countries in 2017  
Figure Saudi Arabia CAE Revenue and Growth Rate (2013-2018)  
Figure UAE CAE Revenue and Growth Rate (2013-2018)  
Figure Egypt CAE Revenue and Growth Rate (2013-2018)  
Figure Nigeria CAE Revenue and Growth Rate (2013-2018)  
Figure South Africa CAE Revenue and Growth Rate (2013-2018)  
Table Global CAE Revenue (Million USD) by Type (2013-2018)  
Table Global CAE Revenue Share by Type (2013-2018)  
Figure Global CAE Revenue Share by Type (2013-2018)  
Figure Global CAE Revenue Share by Type in 2017  
Table Global CAE Revenue Forecast by Type (2018-2023)  
Figure Global CAE Market Share Forecast by Type (2018-2023)  
Figure Global Finite Element Analysis (FEA) Revenue Growth Rate (2013-2018)  
Figure Global Computational Fluid Dynamics (CFD) Revenue Growth Rate (2013-2018)  
Figure Global Multibody Dynamics Revenue Growth Rate (2013-2018)  
Figure Global Optimization & Simulation Revenue Growth Rate (2013-2018)  
Table Global CAE Revenue by Application (2013-2018)  
Table Global CAE Revenue Share by Application (2013-2018)  
Figure Global CAE Revenue Share by Application (2013-2018)  
Figure Global CAE Revenue Share by Application in 2017  
Table Global CAE Revenue Forecast by Application (2018-2023)  
Figure Global CAE Market Share Forecast by Application (2018-2023)  
Figure Global Automotive Industry Revenue Growth Rate (2013-2018)  
Figure Global Aerospace and Defense Industry Revenue Growth Rate (2013-2018)  
Figure Global Electrical and Electronics Industry Revenue Growth Rate (2013-2018)  
Figure Global Others Revenue Growth Rate (2013-2018)  
Figure Global CAE Revenue (Million USD) and Growth Rate Forecast (2018 -2023)  
Table Global CAE Revenue (Million USD) Forecast by Regions (2018-2023)  
Figure Global CAE Revenue Market Share Forecast by Regions (2018-2023)  
Figure North America CAE Revenue Market Forecast (2018-2023)  
Figure Europe CAE Revenue Market Forecast (2018-2023)  
Figure Asia-Pacific CAE Revenue Market Forecast (2018-2023)  
Figure South America CAE Revenue Market Forecast (2018-2023)  
Figure Middle East and Africa CAE Revenue Market Forecast (2018-2023)

## I would like to order

Product name: Global CAE Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023

Product link: <https://marketpublishers.com/r/GFF5C32A651EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GFF5C32A651EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

