

EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET FORECAST 2018-2026

https://marketpublishers.com/r/E273972FAA7EN.html

Date: May 2018

Pages: 89

Price: US\$ 1,250.00 (Single User License)

ID: E273972FAA7EN

Abstracts

KEY FINDINGS

The Europe automotive semiconductor market is poised to grow at a CAGR of 5.74%, over the forecast period of 2018-2026, increasing its net worth from \$xx million in 2017 to \$xx million by 2026. The automotive industry sector in Europe is the largest private investor in R&D and employs around 12 million people.

MARKET INSIGHTS

The increasing safety and security needs, high production volumes of automobiles, growing trend of vehicle electrification and increasing demand for safety, convenience, and comfort systems are some of the key drivers propelling the market ahead. The Europe automotive semiconductor market segments include the components, fuel types, and vehicle types. Although the prospects look goods, factors such as the possible hacking and tampering of control units and software, maintenance of balance between cost and quality of the product and continuous depreciation of oil prices are proving to be challenging for the market.

COMPETITIVE INSIGHTS

Toshiba technologies, Sensata Technologies Holding N.V, Robert Bosch SDN BHD, Rohm Co., Ltd, Renesas Electronics Corporation, Infineon Technologies Ag, STMicroelectronics N.V, and others are some of the well-known market players in this region.



Contents

1. RESEARCH SCOPE

- 1.1. STUDY GOALS
- 1.2. SCOPE OF THE MARKET STUDY
- 1.3. WHO WILL FIND THIS REPORT USEFUL?
- 1.4. STUDY AND FORECASTING YEARS

2. RESEARCH METHODOLOGY

- 2.1. SOURCES OF DATA
 - 2.1.1. SECONDARY DATA
 - 2.1.2. PRIMARY DATA
- 2.2. TOP DOWN APPROACH
- 2.3. BOTTOM-UP APPROACH
- 2.4. DATA TRIANGULATION

3. EXECUTIVE SUMMARY

- 3.1. MARKET SUMMARY
- 3.2. KEY FINDINGS
- 3.2.1. ANALOG IC MARKET HOLDS THE LARGEST SHARE IN TERMS OF COMPONENTS
- 3.2.2. PASSENGER CARS DOMINATES THE MARKET IN TERMS OF VEHICLE TYPE
 - 3.2.3. ELECTRIC/HYBRID FUEL TYPE IS GROWING AT A SIGNIFICANT RATE

4. MARKET DYNAMICS

- 4.1. PARENT MARKET ANALYSIS: SEMICONDUCTOR MARKET
- 4.2. ETYMOLOGY OF SEMICONDUCTOR'S
- 4.3. MARKET DEFINITION
- 4.4. DRIVERS
 - 4.4.1. GROWING SAFETY AND SECURITY NEEDS
 - 4.4.2. HIGH PRODUCTION VOLUMES OF AUTOMOBILES
 - 4.4.3. INCREASING DEMAND FROM EMERGING ECONOMIES
 - 4.4.4. RISING TREND OF VEHICLE ELECTRIFICATION
 - 4.4.5. GROWING DEMAND FOR SAFETY, CONVENIENCE, AND COMFORT



SYSTEMS

- 4.5. RESTRAINTS
 - 4.5.1. HACKING AND TAMPERING OF CONTROL UNITS AND SOFTWARE
- 4.5.2. MAINTAINING BALANCE BETWEEN COST AND QUALITY OF THE PRODUCT
 - 4.5.3. RISING COST OF THE VEHICLES
- 4.6. OPPORTUNITIES
 - 4.6.1. HYBRID AND ELECTRIC VEHICLES DEMAND IS INCREASING
 - 4.6.2. EMERGENCE OF ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS)
- 4.7. CHALLENGES
 - 4.7.1. STRICT QUALITY STANDARDS
 - 4.7.2. CYCLIC NATURE OF SEMICONDUCTOR INDUSTRY
- 4.7.3. EMERGENCE OF NEW CONCEPTS OF AUTONOMOUS AND CONNECTED CARS
 - 4.7.4. CONTINUOUS DEPRECIATION OF OIL PRICES

5. MARKET BY VEHICLE TYPE

- 5.1. PASSENGER CARS
- 5.2. LIGHT COMMERCIAL VEHICLES
- 5.3. HEAVY COMMERCIAL VEHICLES

6. MARKET BY COMPONENTS

- 6.1. PROCESSORS
- 6.2. ANALOG ICS
- 6.3. DISCRETE POWER DEVICES
- 6.4. SENSORS
- 6.5. MEMORY DEVICES
- 6.6. LIGHTNING DEVICES

7. MARKET BY FUEL TYPE

- 7.1. GASOLINE
- 7.2. DIESEL
- 7.3. HYBRID/ELECTRIC

8. KEY ANALYTICS



- 8.1. PORTER'S 5 FORCE MODEL
 - 8.1.1. THREAT OF NEW ENTRANTS
 - 8.1.2. THREAT OF SUBSTITUTES
 - 8.1.3. BARGAINING POWER OF BUYERS
 - 8.1.4. BARGAINING POWER OF SUPPLIERS
 - 8.1.5. INTENSITY OF COMPETITIVE RIVALRY
- 8.2. VALUE CHAIN ANALYSIS
- 8.3. KEY BUYING CRITERIA
 - 8.3.1. VALUE TO CUSTOMER
 - 8.3.2. REPUTATION OF THE SELLER/MANUFACTURER
 - 8.3.3. TIME-TO-MARKET
- 8.4. VENDOR LANDSCAPE
- 8.5. OPPORTUNITY MATRIX

9. GEOGRAPHICAL ANALYSIS

- 9.1. GERMANY
- 9.2. UNITED KINGDOM
- 9.3. FRANCE
- 9.4. SPAIN
- 9.5. ITALY
- 9.6. RUSSIA
- 9.7. REST OF EUROPE

10. COMPETITIVE LANDSCAPE

- 10.1. MARKET SHARE ANALYSIS
- 10.2. COMPANY PROFILES
 - 10.2.1. ANALOG DEVICES, INC.
 - 10.2.2. INFINEON TECHNOLOGIES AG
 - 10.2.3. MELEXIS N.V.
 - 10.2.4. NXP SEMICONDUCTORS N.V.
 - 10.2.5. ON SEMICONDUCTOR CORPORATION
 - 10.2.6. RENESAS ELECTRONICS CORPORATION
 - 10.2.7. ROBERT BOSCH
 - 10.2.8. ROHM CO., LTD.
 - 10.2.9. SENSATA TECHNOLOGIES HOLDING N.V.
 - 10.2.10. STMICROELECTRONICS N.V.
 - 10.2.11. TEXAS INSTRUMENTS INCORPORATED



10.2.12. TOSHIBA CORPORATION



List Of Tables

LIST OF TABLES

TABLE 1: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY COUNTRY, 2018-2026 (IN \$ BILLION)

TABLE 2: BENEFITS & LIMITATIONS OF ELECTRIC VEHICLES

TABLE 3: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2026, (IN \$ BILLION)

TABLE 4: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY COMPONENTS, 2018-2026, (IN \$ BILLION)

TABLE 5: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY FUEL TYPE, 2018-2026, (IN \$ BILLION)

TABLE 6: OPPORTUNITY MATRIX FOR AUTOMOTIVE SEMICONDUCTOR MARKET TABLE 7: VENDOR LANDSCAPE OF AUTOMOTIVE SEMICONDUCTOR MARKET TABLE 8: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY COUNTRY, 2018-2026 (IN \$ BILLION)



List Of Figures

LIST OF FIGURES

FIGURE 1: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY

COMPONENTS, 2017 & 2026 (IN %)

FIGURE 2: END USERS OPERATING IN SEMICONDUCTOR INDUSTRY IN 2016 (IN %)

FIGURE 3: TIMELINE OF SEMICONDUCTORS

FIGURE 4: REGION-WISE SALES OF PASSENGER CARS IN 2016 (IN MILLION UNITS)

FIGURE 5: COUNTRY-WISE MOTOR VEHICLES PRODUCED IN ASEAN COUNTRIES IN 2016 (IN UNITS)

FIGURE 6: WORLDWIDE AUTOMOTIVE (CARS & COMMERCIAL VEHICLES) PRODUCTION, 2015-2020 (IN MILLION)

FIGURE 7: ELECTRIC VEHICLE PRODUCTION ACROSS KEY GEOGRAPHIES, 2013-2020 (IN UNITS)

FIGURE 8: BRENT CRUDE OIL PRICES, 2014-2019 (IN US DOLLARS PER BARREL)

FIGURE 9: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY LIGHT

COMMERCIAL VEHICLES, 2018-2026 (IN \$ BILLION)

FIGURE 10: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY HEAVY COMMERCIAL VEHICLES, 2018-2026 (IN \$ BILLION)

FIGURE 11: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY

PROCESSORS, 2018-2026 (IN \$ BILLION)

FIGURE 12: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY ANALOG IC'S, 2018-2026 (IN \$ BILLION)

FIGURE 13: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY DISCRETE POWER DEVICES, 2018-2026 (IN \$ BILLION)

FIGURE 14: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY SENSORS, 2018-2026 (IN \$ BILLION)

FIGURE 15: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY MEMORY DEVICES, 2018-2026 (IN \$ BILLION)

FIGURE 16: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY LIGHTNING DEVICES, 2018-2026 (IN \$ BILLION)

FIGURE 17: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY GASOLINE, 2018-2026 (IN \$ BILLION)

FIGURE 18: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY DIESEL, 2018-2026 (IN \$ BILLION)

FIGURE 19: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY



ELECTRIC/HYBRID, 2018-2026 (IN \$ BILLION)

FIGURE 20: PORTER'S FIVE FORCE MODEL OF AUTOMOTIVE SEMICONDUCTOR MARKET

FIGURE 21: KEY BUYING IMPACT ANALYSIS

FIGURE 22: VALUE CHAIN ANALYSIS OF SEMICONDUCTOR MARKET

FIGURE 23: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, REGIONAL

OUTLOOK, 2017 & 2026 (IN %)

FIGURE 24: UNITED KINGDOM AUTOMOTIVE SEMICONDUCTOR MARKET,

2018-2026 (IN \$ BILLION)

FIGURE 25: VEHICLE PRODUCTION IN UNITED KINGDOM, 2011-2015 (IN UNITS)

FIGURE 26: VEHICLE SALES IN UNITED KINGDOM, 2011-2015 (IN UNITS)

FIGURE 27: GERMANY AUTOMOTIVE SEMICONDUCTOR MARKET, 2018-2026 (IN \$ BILLION)

FIGURE 28: VEHICLE PRODUCTION IN GERMANY, 2011-2015 (IN UNITS)

FIGURE 29: VEHICLE SALES IN GERMANY, 2011-2015 (IN UNITS)

FIGURE 30: FRANCE AUTOMOTIVE SEMICONDUCTOR MARKET, 2018-2026 (IN \$ BILLION)

FIGURE 31: VEHICLE PRODUCTION IN FRANCE, 2011-2015 (IN UNITS)

FIGURE 32: VEHICLE SALES IN FRANCE, 2011-2015 (IN UNITS)

FIGURE 33: SPAIN AUTOMOTIVE SEMICONDUCTOR MARKET, 2018-2026 (IN \$ BILLION)

FIGURE 34: VEHICLE PRODUCTION IN SPAIN, 2011-2015 (IN UNITS)

FIGURE 35: VEHICLE SALES IN SPAIN, 2011-2015 (IN UNITS)

FIGURE 36: ITALY AUTOMOTIVE SEMICONDUCTOR MARKET, 2018-2026 (IN \$ BILLION)

FIGURE 37: VEHICLE PRODUCTION IN ITALY, 2011-2015 (IN UNITS)

FIGURE 38: VEHICLE SALES IN ITALY, 2011-2015 (IN UNITS)

FIGURE 39: RUSSIA AUTOMOTIVE SEMICONDUCTOR MARKET, 2018-2026 (IN \$ BILLION)

FIGURE 40: VEHICLE PRODUCTION IN RUSSIA, 2011-2015 (IN UNITS)

FIGURE 41: VEHICLE SALES IN RUSSIA, 2011-2015 (IN UNITS)

FIGURE 42: REST OF EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET.

2018-2026 (IN \$ BILLION)

FIGURE 43: MARKET SHARE ANALYSIS OF KEY PLAYERS IN 2017 (%)

COMPANIES MENTIONED

- 1. ANALOG DEVICES, INC.
- 2. INFINEON TECHNOLOGIES AG



- 3. MELEXIS N.V.
- 4. NXP SEMICONDUCTORS N.V.
- 5. ON SEMICONDUCTOR CORPORATION
- 6. RENESAS ELECTRONICS CORPORATION
- 7. ROBERT BOSCH
- 8. ROHM CO., LTD.
- 9. SENSATA TECHNOLOGIES HOLDING N.V.
- 10. STMICROELECTRONICS N.V.
- 11. TEXAS INSTRUMENTS INCORPORATED
- 12. TOSHIBA CORPORATION



I would like to order

Product name: EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET FORECAST 2018-2026

Product link: https://marketpublishers.com/r/E273972FAA7EN.html

Price: US\$ 1,250.00 (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/E273972FAA7EN.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
	Custumer 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