

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

Summary

Automotive Sensors are vital components of automotive electronic systems, as modern vehicles rely on these electronic systems to make sure vehicles meet efficiency and security standards as well as environmental regulations. Driven by government regulations of safety and emissions, introduction of high-end options in modern vehicles by major automobile manufacturers and consumer demand for safety, comfort, infotainment applications and fuel efficiency, automotive electronics content per vehicle is on the rise. As the electronics content is increasing in automobiles, the number of [automotive sensors](#) used in vehicles is also increasing.

Primarily, the government regulations in North America, Europe, Japan, China and South Korea, driving demand for automobile safety features that ranges from passive to integrated active and passive safety systems. These developments are driving increased demand for applications such as tire pressure monitoring, electronic stability control, occupant detection and advanced driver assistant systems. Also, the number of electronic components in engine management, fuel efficiency, occupant comfort & convenience applications and infotainment systems are increasing. In addition, the use of networking in automotive applications continues to increase as various subsystems communicate within vehicle and with the external devices and networks. Driven by these advancements in automotive industry, the global market for automotive electronics, estimated at US\$191.3 billion in 2013, is further projected to reach US\$314.4 billion¹ by 2020, thereby maintaining a CAGR of 7.3% between 2012 and 2020. (Source: [Global Automotive Electronics Market](#), Industry Experts)

Overall, the major driving forces for increased [demand for automotive sensors](#) in vehicles include regulatory mandates for improving fuel economy and stringent emission standards as well as requirements for advanced safety systems. The growth is also attributed by consumer demand for safety & security, comfort & convenience features and the growth of hybrid and electric vehicles which is creating enormous opportunities for new types of sensors in automobile industry. [Automotive Sensors market worldwide](#), standing at US\$16.2 billion in 2012, estimated to be US\$17.4 billion in 2013 and forecast at US\$18.8 billion in 2014, is further projected to reach US\$30.3 billion by 2020, thereby posting a CAGR Of 8.2% between 2012 and 2020. Estimated to be US\$2.6 billion in 2013, demand for Automotive MEMS Sensors globally is projected to reach US\$4.7 billion by 2020.

Automotive sensor product segments analyzed in this study include position sensors, pressure sensors, speed sensors, oxygen sensors, accelerometers, rollover sensors, yaw rate sensors, temperature sensors, mass airflow sensors and other automotive sensors. Automotive sensors market is also analyzed by automotive end-use application area including powertrain, chassis, safety & security, body, communication & navigation and other automotive applications. Further, this report also focuses on [automotive MEMS sensors market](#) analyzed by product segments including MEMS pressure sensors, MEMS accelerometers, MEMS gyroscopes, MEMS flow sensors and other MEMS sensors; and by end-use applications comprising powertrain, chassis, safety & security and other applications.

The report reviews, analyses and projects the [automotive sensors market](#) for global and the regional markets including North America, Europe, Japan, Asia and Rest of World. The regional markets further analyzed for 14 independent countries across North America – The United States, Canada and Mexico; Europe – France, Germany, Italy, Spain and The United Kingdom; Japan; Asia – China, India and South Korea; Rest of World – Brazil and Turkey.

This 448 page [global market](#) report includes 206 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. The statistical tables represent the data for the global market value in US\$ by geographic region, product segment and end-use application. This report profiles 49 key global players and 97 major players across North America – 39; Europe – 35; Japan – 16; Asia – 5 and Rest of World - 2. The research also provides the listing of the companies engaged in manufacturing and supply of automotive sensors. The global list of companies covers addresses, contact numbers and the website addresses of 200 companies.

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

TABLE OF CONTENTS

PART A: GLOBAL MARKET PERSPECTIVE

1. INTRODUCTION

1.1 Product Outline

- 1.1.1 Automotive Sensors Defined
- 1.1.2 Working Principles of Automotive Sensors
 - 1.1.2.1 Rotational Motion Sensors
 - 1.1.2.2 Pressure Sensors
 - 1.1.2.3 Temperature Sensors
 - 1.1.2.4 Linear and Angular Position Sensors
 - 1.1.2.5 Other Sensors
- 1.1.3 Product Segmentation
 - 1.1.3.1 Position Sensors
 - 1.1.3.1.1 Throttle Position Sensors
 - 1.1.3.1.2 Steering Angle Sensors
 - 1.1.3.1.3 Crankshaft Position Sensors
 - 1.1.3.1.4 Camshaft Position Sensors or Cylinder Identification Sensors
 - 1.1.3.2 Pressure Sensors
 - 1.1.3.2.1 Steering Pressure Sensors
 - 1.1.3.2.2 Air Intake Pressure Sensors
 - 1.1.3.2.3 Boost Pressure Sensors
 - 1.1.3.2.4 Airbag Sensors
 - 1.1.3.2.5 Tire Pressure Sensors
 - 1.1.3.3 Speed Sensors
 - 1.1.3.3.1 Engine Speed Sensors
 - 1.1.3.3.2 Wheel Speed Sensors/ABS Sensors
 - 1.1.3.4 Oxygen Sensors
 - 1.1.3.5 Accelerometers
 - 1.1.3.6 Angular Rate Sensors
 - 1.1.3.6.1 Rollover Sensors
 - 1.1.3.6.2 Yaw Rate Sensors
 - 1.1.3.7 Temperature Sensors
 - 1.1.3.7.1 Intake Air Temperature Sensors
 - 1.1.3.7.2 Exhaust Gas Recirculation (EGR) Temperature Sensors
 - 1.1.3.7.3 Coolant Temperature Sensors
 - 1.1.3.8 Mass Airflow Sensors
 - 1.1.3.9 Other Automotive Sensors
 - 1.1.3.9.1 Torque Sensors
 - 1.1.3.9.2 Rain Sensors
 - 1.1.3.9.3 Fuel Level Sensors
 - 1.1.3.9.4 Current Sensors
 - 1.1.3.9.5 Parking Sensors
 - 1.1.3.9.6 Blind Spot Monitors
 - 1.1.3.9.7 Air Quality Sensors
 - 1.1.3.9.8 Nitrogen Oxide (NOx) Sensors
 - 1.1.3.9.9 Image Sensors
- 1.1.4 Automotive MEMS Sensors
 - 1.1.4.1 MEMS Pressure Sensors
 - 1.1.4.2 MEMS Inertial Sensors
 - 1.1.4.2.1 MEMS Accelerometers
 - 1.1.4.2.2 MEMS Gyroscopes
 - 1.1.4.2.3 Integrated or Combo Inertial Sensors
 - 1.1.4.3 MEMS Flow Sensors
 - 1.1.4.4 Other MEMS Sensors
- 1.2 End-Use Application Analysis
 - 1.2.1 Powertrain Applications
 - 1.2.2 Chassis Applications
 - 1.2.3 Safety & Security Applications
 - 1.2.4 Body Applications
 - 1.2.5 Communication & Navigation Applications
 - 1.2.6 Other Automotive Applications

2. KEY MARKET TRENDS

- 2.1 Safety Mandates and Consumer Demand Compel Auto Industry in Upping the Ante for Safety Technology
 - 2.1.1 ESC to the Rescue
 - 2.1.2 Current and Future Status of TPMS
 - 2.1.3 New Cars Incorporating More Safety Features

2.2 MEMS Sensors in Automotive Applications Maintaining Brisk Growth

- 2.2.1 Integrated Inertial Sensors on an Upswing
- 2.3 Sensor Proliferate in Automotive Advanced Driver Assistance Systems
 - 2.3.1 ADAS Capabilities Currently Offered
 - 2.3.2 ADAS and its Evolutionary Trends
 - 2.3.3 In Conclusion
- 2.4 Completely Operative eCall Service Mooted for Overall EU by 2015
 - 2.4.1 Mandatory eCall Incorporation Gears Up Manufacturers
 - 2.4.2 Automotive Sensors Industry to Take a Call on eCall
- 2.5 Cars that Refuse to Start if the Driver has had a Drink too Many
- 2.6 Biometric Sensors for Automobiles in the Offing
- 2.7 Electronics that Conserve Power the New Frontier for Auto Manufacturers
- 2.8 Is the Era of the Driverless/Self-Driving Automobile on the Horizon?
 - 2.8.1 Can Computers be Taught Driving Skills?
 - 2.8.2 What the Future Holds
 - 2.8.3 What the Auto Majors are Offering
 - 2.8.4 Self-Driving Cars and Ramifications for the Automotive Sensors Industry

3. KEY GLOBAL PLAYERS

4. KEY BUSINESS TRENDS

- Littelfuse Acquires Hamlin, Inc
- Hamamatsu Initiates Building a New Plant
- IDG-Accel China Capital II, L.P. and Associates to Acquire MEMSIC
- API Technologies Corp's Sensor Operations Acquired by Measurement Specialties
- Freescale Plans to Broaden its Presence in China
- Continental's LocSync software Patented TPMS and Short Range Radar
- Sensors Wins Automotive News PACE Awards
- Delphi Expands its Beijing Gasoline Engine Management Systems Unit
- Mouser Establishes Strategic Alliance with Elmos and Silicon Microstructures
- BorgWarner Manufactured Three Million Pressure Sensor Glow Plugs to Date
- DENSO Plans to Establish a New Production Company in Cambodia
- LTi Group Plans to Merge in Körber AG
- CTS Corporation Acquires D&R Technology, LLC
- Aftermarket Distribution Agreement between BorgWarner and Federal-Mogul
- TT Electronics Establishes a New Unit in Mexicali, Mexico
- Measurement Specialties Completes Acquisition of RTD
- Delphi Takes Over FCI's Motorized Vehicles Division
- DENSO Plans to Establish New Production Unit in Indonesia
- Schrader Reaches 200 Million Units Production of Direct TPMS Sensor
- Denso Awarded Infineon with a 2011 Technical Development Award
- Littlefuse Acquires ACCEL AB
- Bourns Takes Over Jensen Devices AB's Assets
- VTI Technologies Renamed as Murata Electronics Oy
- Infineon Ships Two Billion Sensor Chips to Date
- Schrader International Acquired by Madison Dearborn Partners
- Bourns Automotive Division Manufacturing Unit in Mexico Expanded
- Gentech International Acquired by Measurement Specialties
- Merger Agreement between CTS Corporation and Valpey-Fisher Corporation
- Austriamicrosystems and TAOS Starts a New Location in Silicon Valley
- Austriamicrosystems Inaugurates a New Location in Shenzhen
- Austriamicrosystems Acquires Texas Advanced Optoelectronic Solutions, Inc.
- SensorDynamics Acquired by Maxim Integrated
- Sensata Technologies Takes Over "Automotive on Board" Sensors Business of Honeywell
- Hamamatsu Sets Up European Subsidiary
- MEMSIC Acquires Crossbow Technology

5. KEY PRODUCT TRENDS

- MEMSIC Debuts Two-Axis Magnetic Sensor
- Micronas Introduces Novel ESD-Proof Linear Hall-effect Magnetic Sensors
- Freescale Introduces Novel Xtrinsic Intelligent Sensor Hub FXL95000CL
- Implementation of Test-in-tray Handler of Centipede for Parallel Testing of MEMS Sensors
- AMS Launches AS8515 Reference Design for Automotive IBS Implementation
- Continental Introduces its Novel Electronic Rear Cross Traffic Alert

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

HSCD Series Portfolio of Alps Electric Added with Wide Dynamic Range Type Compact Geomagnetic Sensor

Sensata Technologies Introduces Generation-2 Differential Pressure Sensors

Allegro MicroSystems Reveals QFN Package for Their Current Sensor IC Family

Launch of Melexis' MLX92212 Family of Digital Output Hall Effect Sensors

Novel A1233 Monolithic IC of Allegro MicroSystems

Littlefuse Introduces New Low Profile 600W TVS Diode

Micronas Introduces 3D HAL® Technology Based HAL 3675 Sensor

AMS Unveils the AS8515 System-in-Package

Freescale Presents Three Novel MPXHZ9000 Highly Precised Pressure Sensors

Launch of Novel Xtrinsic MMA8491Q Accelerometer by Freescale

AMS Releases 60 Series Magnetic Rotary Position Sensors

Infinion Launches Novel Hall Switches and Angle Sensors for BLDC Motor Control

Members of C2C-CC Plans to Produce Standard Car-to-X Communication Systems from 2015

Continental Inaugurates Novel Automated Indoor Braking Analyzer

Continental Presents Novel Tire Pressure Monitoring Systems

Schrader International Launches EZ-tire™ Sensors

Micronas Announces Programmable HAL 2420 and HAL 2425 Hall-effect Sensors

Freescale Debuts Industry's First CAN-Based Automotive-Qualified Battery Sensor

Maxim Unveils MAX17823, Fourth Generation of its High-Voltage e-car Battery Sensor

Melexis Unveils MLX90809, a Robust, High Precision MEMS Pressure Sensor Device

Analog Devices Demonstrates Microcontroller, A/D Converter and Sensor System Design Tracks at Renesas' Conference in California

Maxim Introduces Four Fully-Integrated Devices for Use in Factory Automation and Automotives

ELMOS Launches E520.33 Sensor Signal Readout IC with SENT Interface

World's Smallest Vision Sensor from DENSO for Automotive Safety

New Range of Gas Flow Sensor Modules Launched by MEMSIC

Fuel Conservation Facilitated through Murata's MEMS Sensors

Infinion Introduces KP200 Pressure Sensor for Pedestrian Protection Systems

Analog Devices Debuts ADIS16480 10-DoF MEMS IMU with integrated EKF

Analog Devices Introduces ADIS16407 10-DoF MEMS iSensor IMU

Allegro MicroSystems' A4942 Three Phase Sensorless BLDC Motor Driver IC

Allegro MicroSystems Heralds ACS759 Current Sensor IC

First Lightning Sensor IC in the World, AS3935 Franklin Lightning Sensor Unveiled

Unveiling of TSL4531 Ambient Light Sensors by austriamicrosystems

Allegro MicroSystems Unveils A1357 Hall Effect Linear IC with PWM, Two-wire Output

Allegro MicroSystems' A4960, Three Phase Sensorless BLDC Motor Control IC Revealed

Introduction of Industry's First Digital Color RGB and Proximity Sensors by TAOS

Unveiling of MLX91207 High Speed Current Sensor by Melexis

Advanced Airbag Sensors from Freescale Semiconductor

Development and Manufacture of HSHCA Series Capacitive Humidity Sensor by Alps

Launch of A3944 Automotive Pre-Driver IC by Allegro MicroSystems

Unveiling of AB Elektronik's IndiSense Large Displacement Encoder

Schrader's Extension of EZ-sensor™ Coverage Enabled by the Addition of New Vehicle Brands

Austriamicrosystems Debuts World's First 3D Hall Sensor Solution

Introduction of HALOSENSOR NANO by AB Elektronik

Launch of 3D Hall Technology based HAL 3855 Sensor by Micronas

AB Elektronik's AdBlue Monitoring Sensor

Freescale Launches Novel MEMS Technology based Xtrinsic MPL3115A2 Pressure Sensor

AB Elektronik's Multi-Media Interface Developed

Development of Alps' RDC90 Series Compact Highly Durable Resistive Rotary Sensor

Introduction of Combined Torque and Angle Sensor by Bourns for EPAS

Development of Alps' HSCDT004A 3-Axis Geomagnetic Sensor for Electronic Compass

Unveiling of Freescale's MM912J637 Intelligent Battery Sensor

Melexis Presents MLX75411 "Avocet" High Dynamic Range Image sensor

Freescale Presents the First Xtrinsic MAG3110 Magnetometer-Based Sensor

Aftermarket Release of BorgWarner's Pressure Sensor Glow Plug

BorgWarner Offers Two Novel High Temperature Sensors for 2010 smart for two Coupe

Hamamatsu Unveils Novel Infrared Image Sensors

6. GLOBAL MARKET OVERVIEW

- 6.1 Market Overview by Product Segment
 - 6.1.1 Product Segment Market Overview by Global Region
 - 6.1.1.1 Position Sensors
 - 6.1.1.2 Pressure Sensors
 - 6.1.1.3 Speed Sensors
 - 6.1.1.4 Oxygen Sensors
 - 6.1.1.5 Accelerometers
 - 6.1.1.6 Rollover Sensors
 - 6.1.1.7 Temperature Sensors
 - 6.1.1.8 Yaw Rate Sensors
 - 6.1.1.9 Mass Airflow Sensors
 - 6.1.1.10 Other Automotive Sensors
 - 6.2 Market Overview by End-Use Application
 - 6.2.1 End-Use Application Market Overview by Global Region
 - 6.2.1.1 Powertrain
 - 6.2.1.2 Chassis
 - 6.2.1.3 Safety & Security
 - 6.2.1.4 Body
 - 6.2.1.5 Communication & Navigation
 - 6.2.1.6 Other Automotive Applications

7. SPECIAL FOCUS ON AUTOMOTIVE MEMS SENSORS MARKET

- 7.1 Automotive MEMS Sensors Market Overview by Product Segment
 - 7.1.1 Product Segment Market Overview by Global Region
 - 7.1.1.1 MEMS Pressure Sensors
 - 7.1.1.2 MEMS Accelerometers
 - 7.1.1.3 MEMS Gyroscopes
 - 7.1.1.4 MEMS Flow Sensors
 - 7.1.1.5 Other Automotive MEMS Sensors
 - 7.2 Automotive MEMS Sensors Market Overview by End-Use Application
 - 7.2.1 End-Use Application Market Overview by Global Region
 - 7.2.1.1 MEMS Sensors in Powertrain Applications
 - 7.2.1.2 MEMS Sensors in Chassis Applications
 - 7.2.1.3 MEMS Sensors in Safety & Security Applications
 - 7.2.1.4 MEMS Sensors in Other Automotive Applications

PART B: REGIONAL MARKET PERSPECTIVE

Focus on MEMS Sensors

1. NORTH AMERICA

- 1.1 Overall Automotive Sensors
 - 1.1.1 Market Overview by North American Region
 - 1.1.2 Market Overview by Product Segment
 - 1.1.3 Market Overview by End-Use Application
 - 1.2 Focus on MEMS Sensors
 - 1.2.1 MEMS Sensors Market Overview by North American Region
 - 1.2.2 MEMS Sensors Market Overview by Product Segment
 - 1.2.3 MEMS Sensors Market Overview by End-Use Application
 - 1.3 Major Market Players
 - Aleph America Corporation (United States)
 - Allegro Microsystems, LLC (United States)
 - Alps Electric USA, Inc. (United States)
 - American Electronic Components Inc (United States)
 - Analog Devices, Inc. (United States)
 - Aptina Imaging Corporation (United States)
 - Austriamicrosystems USA, Inc. (United States)
 - Bourns, Inc. (United States)
 - Casco Products Corporation (United States)
 - CTS Corporation (United States)
 - D&R Technology, LLC (United States)
 - Custom Sensors & Technologies, Inc. (United States)
 - BEI Sensors (United States)
 - Delphi Automotive LLP (United States)
 - Elesys North America Inc. (United States)

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

Freescale Semiconductor, Inc. (United States)
GE Measurement & Control Solutions (United States)
Hitachi Automotive Systems Americas, Inc. (United States)
Kavlico Corporation (United States)
Littelfuse, Inc. (United States)
Hamlin Electronics LP (United States)
Magna International Inc. (Canada)
Maxim Integrated (United States)
Measurement Specialties, Inc (United States)
MEMSIC Inc (United States)
Methode Electronics, Inc. (United States)
Micralyne, Inc. (Canada)
Novotechnik U.S., Inc. (United States)
Optek Technology, Inc. (United States)
PCB Piezotronics, Inc. (United States)
Schrader International, Inc. (United States)
Sensata Technologies, Inc. (United States)
Silicon Microstructures Incorporated (United States)
SSI Technologies, Inc. (United States)
Stoneridge, Inc. (United States)
Texas Instruments Inc. (United States)
TRW Automotive Holdings Corp. (United States)
Wabash Technologies (United States)
Yazaki North America Inc. (United States)

1.4 North American Market Overview by Country

1.4.1 The United States

1.4.1.1 Market Overview by Product Segment
1.4.1.2 Market Overview by End-Use Application

1.4.2 Canada

1.4.2.1 Market Overview by Product Segment
1.4.2.2 Market Overview by End-Use Application

1.4.3 Mexico

1.4.3.1 Market Overview by Product Segment
1.4.3.2 Market Overview by End-Use Application

2. EUROPE

2.1 Overall Automotive Sensors
2.1.1 Market Overview by European Region
2.1.2 Market Overview by Product Segment
2.1.3 Market Overview by End-Use Application
2.2 Focus on MEMS Sensors
2.2.1 MEMS Sensors Market Overview by European Region
2.2.2 MEMS Sensors Market Overview by Product Segment
2.2.3 MEMS Sensors Market Overview by End-Use Application
2.3 Major Market Players

AB Elektronik GmbH (Germany)
Accel AB (Sweden)
Accel Elektronika UAB (Lithuania)
Alps Electric (Ireland) Limited (Ireland)
AMS AG (Austria)
Appliedsensor GmbH (Germany)
Autoliv Inc. (Sweden)
Borgwarner Beru Systems GmbH (Germany)
Contelec AG (Switzerland)
Continental AG (Germany)
Conti Temic Microelectronic GmbH (Germany)
Elmos Semiconductor AG (Germany)
Epcos AG (Germany)
Gentech International Ltd (United Kingdom)
Hella KGaA Hueck & Co. (Germany)
I.G. Bauerrhin GmbH (Germany)
Infineon Technologies AG (Germany)
Kistler Group (Kistler Instrumente AG) (Switzerland)
Kistler Automotive GmbH (CorrSYS-Datron Sensoren Systeme GmbH) (Germany)
LTI Holding GmbH & Co. Kg (Germany)
Sensitec GmbH (Germany)
Magneti Marelli SpA (Italy)
Melexis N.V. (Melexis Microelectronic Integrated Systems) (Belgium)
Micronas Semiconductor Holding AG (Switzerland)
Murata Electronics Oy (Finland)

Novotechnik Messwertaufnehmer OHG (Germany)
NXP Semiconductors N.V. (Netherlands)
Osram Opto Semiconductors GmbH (Germany)
Philips Laser Sensors (Royal Philips NV) (The Netherlands)
Preh GmbH (Germany)
Robert Bosch GmbH (Germany)
Sensirion AG (Switzerland)
STMicroelectronics (Switzerland)
TE Connectivity Ltd (Switzerland)
TT Electronics Plc (United Kingdom)

2.4 European Market Overview by Country

2.4.1 France

2.4.1.1 Market Overview by Product Segment
2.4.1.2 Market Overview by End-Use Application

2.4.2 Germany

2.4.2.1 Market Overview by Product Segment
2.4.2.2 Market Overview by End-Use Application

2.4.3 Italy

2.4.3.1 Market Overview by Product Segment
2.4.3.2 Market Overview by End-Use Application

2.4.4 Spain

2.4.4.1 Market Overview by Product Segment
2.4.4.2 Market Overview by End-Use Application

2.4.5 The United Kingdom

2.4.5.1 Market Overview by Product Segment
2.4.5.2 Market Overview by End-Use Application

2.4.6 Rest of Europe

2.4.6.1 Market Overview by Product Segment
2.4.6.2 Market Overview by End-Use Application

3. JAPAN

3.1 Overall Automotive Sensors
3.1.1 Market Overview by Product Segment
3.1.2 Market Overview by End-Use Application
3.2 Focus on MEMS Sensors
3.2.1 MEMS Sensors Market Overview by Product Segment
3.2.2 MEMS Sensors Market Overview by End-Use Application
3.3 Major Market Players
Alps Electric Co Ltd (Japan)
Denso Corporation (Japan)
Hamamatsu Photonics KK (Japan)
Hitachi Automotive Systems, Ltd. (Japan)
Keihin Corporation (Japan)
Minebea Co Ltd (Japan)
Mitsubishi Electric Corporation (Japan)
Murata Manufacturing Co Ltd (Japan)
NGK Spark Plug Co Ltd (Japan)
Nippon Aleph Corporation (Japan)
Nippon Ceramic Co Ltd (Japan)
Omron Corporation (Japan)
Sumitomo Electric Industries, Ltd. (Japan)
Takata Corporation (Japan)
TDK-EPC Corporation (Japan)
Yazaki Corporation (Japan)

4. ASIA

4.1 Overall Automotive Sensors
4.1.1 Market Overview by Asian Region
4.1.2 Market Overview by Product Segment
4.1.3 Market Overview by End-Use Application
4.2 Focus on MEMS Sensors
4.2.1 MEMS Sensors Market Overview by Asian Region
4.2.2 MEMS Sensors Market Overview by Product Segment
4.2.3 MEMS Sensors Market Overview by End-Use Application
4.3 Major Market Players
Continental Automotive Electronics LLC (South Korea)
Minda Stoneridge Instruments Ltd. (India)
PLK Technologies Co. Ltd. (South Korea)
Shanghai Nicera Sensor Co Ltd (China)

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

Universal Sensors, Inc. (China)

4.4 Asian Market Overview by Country

4.4.1 China

4.4.1.1 Market Overview by Product Segment

4.4.1.2 Market Overview by End-Use Application

4.4.2 India

4.4.2.1 Market Overview by Product Segment

4.4.2.2 Market Overview by End-Use Application

4.4.3 South Korea

4.4.3.1 Market Overview by Product Segment

4.4.3.2 Market Overview by End-Use Application

4.4.4 Rest of Asia

4.4.4.1 Market Overview by Product Segment

4.4.4.2 Market Overview by End-Use Application

5. REST OF WORLD

5.1 Overall Automotive Sensors

5.1.1 Market Overview by Rest of World Region

5.1.2 Market Overview by Product Segment

5.1.3 Market Overview by End-Use Application

5.2 Focus on MEMS Sensors

5.2.1 MEMS Sensors Market Overview by Product Segment

5.2.2 MEMS Sensors Market Overview by End-Use Application

5.3 Major Market Players

PST Eletrônica Ltda. (Brazil)

Opas Otomotiv Platinleri San. Ve Tic. A.S. (Turkey)

5.4 Rest of World Market Overview by Country

5.4.1 Brazil

5.4.1.1 Market Overview by Product Segment

5.4.1.2 Market Overview by End-Use Application

5.4.2 Turkey

5.4.2.1 Market Overview by Product Segment

5.4.2.2 Market Overview by End-Use Application

5.4.3 Other ROW

5.4.3.1 Market Overview by Product Segment

5.4.3.2 Market Overview by End-Use Application

PART C: GUIDE TO THE INDUSTRY

1. NORTH AMERICA

1.1 Canada

1.2 The United States

2. EUROPE

2.1 Austria

2.2 Belgium

2.3 France

2.4 Germany

2.5 Ireland

2.6 Italy

2.7 Norway

2.8 Spain

2.9 Sweden

2.10 Switzerland

2.11 The Netherlands

2.12 Turkey

2.13 The United Kingdom

3. ASIA-PACIFIC

3.1 Australia

3.2 China

3.3 India

3.4 Japan

3.5 Malaysia

3.6 The Philippines

3.7 Singapore

3.8 South Korea

3.9 Taiwan

4. REST OF WORLD

4.1 Brazil

4.2 United Arab Emirates

PART D: ANNEXURE

1. RESEARCH METHODOLOGY

2. THE QUESTIONNAIRE

3. FEEDBACK

Charts & Graphs

PART A: GLOBAL MARKET PERSPECTIVE

Chart 1: Global Automotive Sensors Market Analysis (2010-2020) by Market Type – Overall Automotive Sensors and Automotive MEMS Sensors in US\$ Million

Chart 2: Global Automotive Sensors Market (2012 & 2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 3: Global Automotive Position Sensors Market (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 4: Global Automotive Pressure Sensors Market (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 5: Global Automotive Speed Sensors Market (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 6: Global Automotive Oxygen Sensors Market (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 7: Global Automotive Accelerometers Sensors Market (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 8: Global Automotive Rollover Sensors Market (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 9: Global Automotive Yaw Rate Sensors Market (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 10: Global Automotive Temperature Sensors Market (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 11: Global Automotive Mass Airflow Sensors Market (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 12: Global Other Automotive Sensors Market (2012 & 2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 13: Global Automotive Sensors Market in Powertrain Applications (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 14: Global Automotive Sensors Market in Chassis Applications (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 15: Global Automotive Sensors Market in Safety & Security Applications (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 16: Global Automotive Sensors Market in Body Applications (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 17: Global Automotive Sensors Market in Communication & Navigation Applications (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 18: Global Automotive Sensors Market in Other Automotive Applications (2012 & 2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 19: Global Automotive Sensors Market Analysis (2010-2020) in US\$ Million

Chart 20: Global Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

Chart 22: Glance at 2010, 2015 and 2020 Global Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 23: Global Automotive Position Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 24: Glance at 2010, 2012 and 2015 Global Automotive Position Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 25: Global Automotive Pressure Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 26: Glance at 2010, 2012 and 2015 Global Automotive Pressure Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 27: Global Automotive Speed Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 28: Glance at 2010, 2012 and 2015 Global Automotive Speed Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 29: Global Automotive Oxygen Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 30: Glance at 2010, 2012 and 2015 Global Automotive Oxygen Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 31: Global Automotive Accelerometers Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 32: Glance at 2010, 2012 and 2015 Global Automotive Accelerometers Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 33: Global Automotive Rollover Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 34: Glance at 2010, 2012 and 2015 Global Automotive Rollover Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 35: Global Automotive Temperature Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 36: Glance at 2010, 2012 and 2015 Global Automotive Temperature Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 37: Global Automotive Yaw Rate Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 38: Glance at 2010, 2012 and 2015 Global Automotive Yaw Rate Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 39: Global Automotive Mass Airflow Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 40: Glance at 2010, 2012 and 2015 Global Automotive Mass Airflow Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 41: Global Other Automotive Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 42: Glance at 2010, 2012 and 2015 Global Other Automotive Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 43: Global Automotive Sensors Market Analysis (2010-2020) by Product Segment – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 44: Glance at 2010, 2015 and 2020 Global Automotive Sensors Market Share (%) by Product Segment – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Chart 45: Global Automotive Sensors Market in Powertrain Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 46: Glance at 2010, 2015 and 2020 Global Automotive Sensors Market Share (%) in Powertrain Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World

Chart 47: Global Automotive Sensors Market in Chassis Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 48: Glance at 2010, 2015 and 2020 Global Automotive Sensors Market Share (%) in Chassis Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World

Chart 49: Global Automotive Sensors Market in Safety & Security Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 50: Glance at 2010, 2015 and 2020 Global Automotive Sensors Market Share (%) in Safety & Security Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World

Chart 51: Global Automotive Sensors Market in Body Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 52: Glance at 2010, 2015 and 2020 Global Automotive Sensors Market Share (%) in Body Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World

Chart 53: Global Automotive Sensors Market in Communication & Navigation Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 54: Glance at 2010, 2015 and 2020 Global Automotive Sensors Market Share (%) in Communication & Navigation Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World

Chart 55: Global Automotive Sensors Market in Other Automotive Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 56: Glance at 2010, 2015 and 2020 Global Automotive Sensors Market Share (%) in Other Automotive Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World

Chart 57: Global Automotive MEMS Sensors Market Analysis (2010-2020) in US\$ Million

Chart 58: Global Automotive MEMS Sensors Market Analysis (2010-2020) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other MEMS Sensors in US\$ Million

Chart 59: Glance at 2010, 2015 and 2020 Global Automotive MEMS Sensors Market Share (%) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other MEMS Sensors

Chart 60: Global Automotive MEMS Pressure Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 61: Glance at 2010, 2012 and 2015 Global Automotive MEMS Pressure Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 62: Global Automotive MEMS Accelerometers Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 63: Glance at 2010, 2012 and 2015 Global Automotive MEMS Accelerometers Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 64: Global Automotive MEMS Gyroscopes Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 65: Glance at 2010, 2012 and 2015 Global Automotive MEMS Gyroscopes Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 66: Global Automotive MEMS Flow Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 67: Glance at 2010, 2012 and 2015 Global Automotive MEMS Flow Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

Chart 68: Global Other Automotive MEMS Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

Chart 69: Glance at 2010, 2012 and 2015 Global Other Automotive MEMS Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million
Chart 70: Global Automotive MEMS Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security and Other Applications in US\$ Million
Chart 71: Glance at 2010, 2015 and 2020 Global Automotive MEMS Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security and Other Applications
Chart 72: Global Automotive MEMS Sensors Market in Powertrain Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million
Chart 73: Glance at 2010, 2015 and 2020 Global Automotive MEMS Sensors Market Share (%) in Powertrain Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World
Chart 74: Global Automotive MEMS Sensors Market in Chassis Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million
Chart 75: Glance at 2010, 2015 and 2020 Global Automotive MEMS Sensors Market Share (%) in Chassis Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World
Chart 76: Global Automotive MEMS Sensors Market in Safety & Security Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million
Chart 77: Glance at 2010, 2015 and 2020 Global Automotive MEMS Sensors Market Share (%) in Safety & Security Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World
Chart 78: Global Automotive MEMS Sensors Market in Other Automotive Applications (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million
Chart 79: Glance at 2010, 2015 and 2020 Global Automotive MEMS Sensors Market Share (%) in Other Automotive Applications by Geographic Region – North America, Europe, Japan, Asia and Rest of World

PART B: REGIONAL MARKET PERSPECTIVE

Chart 80: Global Automotive Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million
Chart 81: Glance at 2010, 2015 and 2020 Global Automotive Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World
Chart 82: Global Automotive MEMS Sensors Market Analysis (2010-2020) by Geographic Region – North America, Europe, Japan, Asia and Rest of World in US\$ Million
Chart 83: Glance at 2010, 2015 and 2020 Global Automotive MEMS Sensors Market Share (%) by Geographic Region – North America, Europe, Japan, Asia and Rest of World

NORTH AMERICA

Chart 84: North American Automotive Sensors Market Analysis (2010-2020) by Market Type – Overall Automotive Sensors and Automotive MEMS Sensors in US\$ Million
Chart 85: North American Automotive Sensors Market Analysis (2010-2020) by Geographic Region – United States, Canada and Mexico in US\$ Million
Chart 86: Glance at 2010, 2015 and 2020 North American Automotive Sensors Market Share (%) by Geographic Region – United States, Canada and Mexico
Chart 87: North American Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million
Chart 88: Glance at 2010, 2015 and 2020 North American Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors
Chart 89: North American Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 90: Glance at 2010, 2015 and 2020 North American Automotive Sensors Market Share (%) by Product Segment – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications
Chart 91: North American Automotive MEMS Sensors Market Analysis (2010-2020) by Geographic Region – United States, Canada and Mexico in US\$ Million
Chart 92: Glance at 2010, 2015 and 2020 North American Automotive MEMS Sensors Market Share (%) by Geographic Region – United States, Canada and Mexico
Chart 93: North American Automotive MEMS Sensors Market Analysis (2010-2020) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors in US\$ Million
Chart 94: Glance at 2010, 2015 and 2020 North American Automotive MEMS Sensors Market Share (%) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors
Chart 95: North American Automotive MEMS Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security and Other Automotive Applications in US\$ Million
Chart 96: Glance at 2010, 2015 and 2020 North American Automotive MEMS Sensors Market Share (%) by Product Segment – Powertrain, Chassis, Safety & Security and Other Automotive Applications

The United States

Chart 97: United States Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million
Chart 98: Glance at 2010, 2015 and 2020 United States Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors
Chart 99: United States Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million
Chart 100: Glance at 2010, 2015 and 2020 United States Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Canada

Chart 101: Canadian Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million
Chart 102: Glance at 2010, 2015 and 2020 Canadian Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors
Chart 103: Canadian Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million
Chart 104: Glance at 2010, 2015 and 2020 Canadian Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Mexico

Chart 105: Mexican Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

Chart 106: Glance at 2010, 2015 and 2020 Mexican Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 107: Mexican Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 108: Glance at 2010, 2015 and 2020 Mexican Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

EUROPE

Chart 109: European Automotive Sensors Market Analysis (2010-2020) by Market Type – Overall Automotive Sensors and Automotive MEMS Sensors in US\$ Million

Chart 110: European Automotive Sensors Market Analysis (2010-2020) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in US\$ Million

Chart 111: Glance at 2010, 2015 and 2020 European Automotive Sensors Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe

Chart 112: European Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 113: Glance at 2010, 2015 and 2020 European Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 114: European Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 115: Glance at 2010, 2015 and 2020 European Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Chart 116: European Automotive MEMS Sensors Market Analysis (2010-2020) by Geographic Region – France, Germany, Italy, Spain, The United Kingdom and Rest of Europe in US\$ Million

Chart 117: Glance at 2010, 2015 and 2020 European Automotive MEMS Sensors Market Share (%) by Geographic Region – France, Germany, Italy, Spain, The United Kingdom and Rest of Europe

Chart 118: European Automotive MEMS Sensors Market Analysis (2010-2020) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors in US\$ Million

Chart 119: Glance at 2010, 2015 and 2020 European Automotive MEMS Sensors Market Share (%) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors

Chart 120: European Automotive MEMS Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security and Other Automotive Applications in US\$ Million

Chart 121: Glance at 2010, 2015 and 2020 European Automotive MEMS Sensors Market Share (%) by Product Segment – Powertrain, Chassis, Safety & Security and Other Automotive Applications

France

Chart 122: French Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 123: Glance at 2010, 2015 and 2020 French Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature

Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 124: French Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 125: Glance at 2010, 2015 and 2020 French Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Germany

Chart 126: German Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 127: Glance at 2010, 2015 and 2020 German Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 128: German Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 129: Glance at 2010, 2015 and 2020 German Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Italy

Chart 130: Italian Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 131: Glance at 2010, 2015 and 2020 Italian Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 132: Italian Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 133: Glance at 2010, 2015 and 2020 Italian Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Spain

Chart 134: Spanish Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 135: Glance at 2010, 2015 and 2020 Spanish Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 136: Spanish Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 137: Glance at 2010, 2015 and 2020 Spanish Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

The United Kingdom

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

Chart 138: UK Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million
Chart 139: Glance at 2010, 2015 and 2020 UK Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors
Chart 140: UK Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million
Chart 141: Glance at 2010, 2015 and 2020 UK Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Rest of Europe

Chart 142: Rest of Europe Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million
Chart 143: Glance at 2010, 2015 and 2020 Rest of Europe Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors
Chart 144: Rest of Europe Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million
Chart 145: Glance at 2010, 2015 and 2020 Rest of Europe Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

JAPAN

Chart 146: Japanese Automotive Sensors Market Analysis (2010-2020) by Market Type – Overall Automotive Sensors and Automotive MEMS Sensors in US\$ Million
Chart 147: Japanese Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million
Chart 148: Glance at 2010, 2015 and 2020 Japanese Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors
Chart 149: Japanese Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million
Chart 150: Glance at 2010, 2015 and 2020 Japanese Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications
Chart 151: Japanese Automotive MEMS Sensors Market Analysis (2010-2020) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors in US\$ Million
Chart 152: Glance at 2010, 2015 and 2020 Japanese Automotive MEMS Sensors Market Share (%) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors
Chart 153: Japanese Automotive MEMS Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security and Other Automotive Applications in US\$ Million
Chart 154: Glance at 2010, 2015 and 2020 Japanese Automotive MEMS Sensors Market Share (%) by Product Segment – Powertrain, Chassis, Safety & Security and Other Automotive Applications

ASIA

Chart 155: Asian Automotive Sensors Market Analysis (2010-2020) by Market Type – Overall Automotive Sensors and Automotive MEMS Sensors in US\$ Million
Chart 156: Asian Automotive Sensors Analysis (2010-2020) by Geographic Region – China, India, South Korea and Rest of Asia in US\$ Million
Chart 157: Glance at 2010, 2015 and 2020 Asian Automotive Sensors Market Share (%) by Geographic Region – China, India, South Korea and Rest of Asia
Chart 158: Asian Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million
Chart 159: Glance at 2010, 2015 and 2020 Asian Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors
Chart 160: Asian Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million
Chart 161: Glance at 2010, 2015 and 2020 Asian Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications
Chart 162: Asian Automotive MEMS Sensors Market Analysis (2010-2020) by Geographic Region – China, South Korea and Rest of Asia in US\$ Million
Chart 163: Glance at 2010, 2015 and 2020 Asian Automotive MEMS Sensors Market Share (%) by Geographic Region – China, South Korea and Rest of Asia
Chart 164: Asian Automotive MEMS Sensors Market Analysis (2010-2020) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors in US\$ Million
Chart 165: Glance at 2010, 2015 and 2020 Asian Automotive MEMS Sensors Market Share (%) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors
Chart 166: Asian Automotive MEMS Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security and Other Automotive Applications in US\$ Million
Chart 167: Glance at 2010, 2015 and 2020 Asian Automotive MEMS Sensors Market Share (%) by Product Segment – Powertrain, Chassis, Safety & Security and Other Automotive Applications

China

Chart 168: Chinese Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million
Chart 169: Glance at 2010, 2015 and 2020 Chinese Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors
Chart 170: Chinese Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million
Chart 171: Glance at 2010, 2015 and 2020 Chinese Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

India

Chart 172: Indian Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million
Chart 173: Glance at 2010, 2015 and 2020 Indian Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 174: Indian Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 175: Glance at 2010, 2015 and 2020 Indian Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

South Korea

Chart 176: South Korean Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 177: Glance at 2010, 2015 and 2020 South Korean Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 178: South Korean Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 179: Glance at 2010, 2015 and 2020 South Korean Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Rest of Asia

Chart 180: Rest of Asia Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 181: Glance at 2010, 2015 and 2020 Rest of Asia Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 182: Rest of Asia Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 183: Glance at 2010, 2015 and 2020 Rest of Asia Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

REST OF WORLD

Chart 184: Rest of World Automotive Sensors Market Analysis (2010-2020) by Market Type – Overall Automotive Sensors and Automotive MEMS Sensors in US\$ Million

Chart 185: Rest of World Automotive Sensors Analysis (2010-2020) by Geographic Region – Brazil, Turkey and Other ROW in US\$ Million

Chart 186: Glance at 2010, 2015 and 2020 Asian Automotive Sensors Market Share (%) by Geographic Region – Brazil, Turkey and Other ROW

Chart 187: Rest of World Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 188: Glance at 2010, 2015 and 2020 Rest of World Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 189: Rest of World Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body,

Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 190: Glance at 2010, 2015 and 2020 Rest of World Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Chart 191: Rest of World Automotive MEMS Sensors Market Analysis (2010-2020) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors in US\$ Million

Chart 192: Glance at 2010, 2015 and 2020 Rest of World Automotive MEMS Sensors Market Share (%) by Product Segment – Pressure Sensors, Accelerometers, Gyroscopes, Flow Sensors and Other Automotive MEMS Sensors

Chart 193: Rest of World Automotive MEMS Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security and Other Automotive Applications in US\$ Million

Chart 194: Glance at 2010, 2015 and 2020 Rest of World Automotive MEMS Sensors Market Share (%) by Product Segment – Powertrain, Chassis, Safety & Security and Other Automotive Applications

Brazil

Chart 195: Brazilian Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 196: Glance at 2010, 2015 and 2020 Brazilian Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 197: Brazilian Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 198: Glance at 2010, 2015 and 2020 Brazilian Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Turkey

Chart 199: Turkish Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 200: Glance at 2010, 2015 and 2020 Turkish Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

Chart 201: Turkish Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 202: Glance at 2010, 2015 and 2020 Turkish Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

Other ROW

Chart 203: Other ROW Automotive Sensors Market Analysis (2010-2020) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors in US\$ Million

Chart 204: Glance at 2010, 2015 and 2020 Other ROW Automotive Sensors Market Share (%) by Product Segment – Position Sensors, Pressure Sensors, Speed Sensors, Oxygen Sensors, Accelerometers, Rollover Sensors, Temperature Sensors, Yaw Rate Sensors, Mass Airflow Sensors and Other Automotive Sensors

GLOBAL AUTOMOTIVE SENSORS MARKET WITH SPECIAL FOCUS ON MEMS SENSORS

Chart 205: Other ROW Automotive Sensors Market Analysis (2010-2020) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications in US\$ Million

Chart 206: Glance at 2010, 2015 and 2020 Other ROW Automotive Sensors Market Share (%) by End-Use Application – Powertrain, Chassis, Safety & Security, Body, Communication & Navigation and Other Automotive Applications

MAJOR GLOBAL MARKET PLAYERS:

Allegro Microsystems, LLC
Alps Electric Co., Ltd.
AMS AG,
Analog Devices, Inc.
Aptina Imaging Corporation
Autoliv Inc.,
Borgwarner Beru Systems GmbH
Bourns, Inc.,
Continental AG
CTS Corporation
Custom Sensors & Technologies, Inc.
Delphi Automotive LLP
Denso Corporation,
Elesys North America Inc.
Elmos Semiconductor AG
Freescale Semiconductor, Inc.
GE Measurement & Control Solutions
Hamamatsu Photonics KG
Hella KGaA Hueck & Co.
Hitachi Automotive Systems, Ltd.

Infineon Technologies AG
Keihin Corporation
Kistler Group (Kistler Instrumente AG)
Littelfuse, Inc.
Magna International Inc.
Magneti Marelli SpA
Maxim Integrated
Melexis NV (Melexis Microelectronic Integrated Systems)
MEMSIC Inc,
Methode Electronics, Inc.
Micronas Semiconductor Holding AG
Murata Manufacturing Co Ltd
NGK Spark Plug Co., Ltd.
Novotechnik Messwertaufnehmer OHG
NXP Semiconductors NV
Omron Corporation
Osram Opto Semiconductors GmbH
PCB Piezotronics, Inc.
Robert Bosch GmbH
Schrader International, Inc.
Sensata Technologies, Inc.
SSI Technologies, Inc.
STMicroelectronics
Takata Corporation,
TE Connectivity Ltd
Texas Instruments Inc.
TRW Automotive Holdings Corp.
TT Electronics PLC
Yazaki Corporation

For more information please visit: [Global Automotive Sensors Market with Special Focus on MEMS Sensors](#)