

Autonomous Emergency Braking (AEB) System Market by Key Technology (Camera, Fusion, LiDAR and Radar), Vehicle Type, Operating Speed, Application, Level of Automation Driving, Component (Actuators, Audible Buzzers) and Region - Global Forecast to 2025

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Abstracts

“Government mandates in Europe and US and rising safety concerns are the major drivers for growth of autonomous emergency braking (AEB) system market”

The global autonomous emergency braking (AEB) system market is projected to reach USD 55.31 billion by 2025, growing at a CAGR of 22.23% from 2020 to 2025. Rising accidents and safety concerns in developing economies and increasing government mandates will lead to growth of autonomous emergency braking (AEB) system market.

“Low Speed-City AEB Systems are projected to hold the largest share for autonomous emergency braking (AEB) systems, by application, in terms of value”

Low Speed-City AEB systems are those systems that operate at a lower speed and in city-like road conditions. The primary reason for growth of this segment is majority of road accidents take place at a lower speed, causing lesser injury. Also the number of vehicles being used across city roads is much higher compared with the number of vehicles used across inter-urban roads.

“Passenger Vehicle segment is estimated to be the largest segment in autonomous emergency braking (AEB) system market, by vehicle type”

The Passenger Vehicle segment is projected to have significant share compared with the Commercial Vehicles segment. The major reason for growth of this segment is high volume of passenger vehicles versus commercial vehicles and greater safety concern among consumers of passenger vehicles.

“The largest share, in terms of value, of autonomous emergency braking (AEB) system market is held by Asia Pacific region”

Asia Pacific region comprises countries such as China, India, Japan, South Korea, and others. China and Japan make a significant contribution towards global vehicle production. China acts as the manufacturing hub for automotive industry across the globe. Thus, tremendous vehicle production and larger penetration of AEB systems across developed economies such as Japan and South Korea have led to the growth of AEB systems in this region.

This research study contains insights about various industry experts, across autonomous emergency braking (AEB) system manufacturers, automotive OEMs, and different associations in automotive industry. The primary break-up has been mentioned below:

By Company Type: Tier I–62%, Tier II–25% and Tier III–13%

By Designation: C Level–23%, D Level–26% and Manager level–51%

By Region: Asia Pacific-38%, Europe-25%, North America-25%, RoW-12%

Players profiled in the report are:

Robert Bosch GmbH (Germany)

Continental AG (Germany)

Denso Corporation (Japan)

ZF Friedrichshafen AG (Germany)

Hyundai Mobis Co., Ltd (South Korea)

Aisin Seiki Co., Ltd (Japan)

Valeo S.A. (France)

Delphi Automotive PLC (UK)

Paccar Inc (US)

Texas Instruments Incorporated (US)

Autoliv, Inc (Sweden)

Knorr-Bremse AG (Germany)

Mando Corporation (South Korea)

Analog Devices, Inc (US)

Research Coverage

This research report covers the global autonomous emergency braking (AEB) system market by Vehicle Type (PV, CV), by Key Technology Used (Camera, Fusion, LiDAR, Radar), by Operating Speed (High Speed-Inter Urban AEB Systems, Low Speed-City AEB Systems, Pedestrian-VRU (Vulnerable Road Users) AEB Systems), by Application (Forward Emergency Braking, Reverse Emergency Braking, Multi-directional Braking), by Level of Automation Driving (Autonomous Passenger Car, Semi-Autonomous Passenger Car), by Component (Actuators, Audible Buzzers, Controllers, Sensors, Visual Indicators) and by Region (Asia Pacific, Europe, North America, and Rest of the World).

Reasons to Buy the Report:

The report provides insights into the following points:

Market Penetration: This study provides a detailed analysis of penetration of autonomous emergency braking (AEB) systems at a global, regional, and country level by vehicle type.

Market Mapping: The report provides a detailed analysis on regional markets for

the autonomous emergency braking (AEB) system market by operating speed, by application, by key technology, by level of automation driving, and by component.

Market Diversification: The report provides exhaustive information about emerging technologies, recent developments, and investments in the global autonomous emergency braking (AEB) system market.

Competitive Assessment: The report contains an in-depth analysis of manufacturing capabilities and the strategies being adopted by some of the leading players in autonomous emergency braking (AEB) system market.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 PACKAGE SIZE
- 1.6 LIMITATIONS
- 1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
- 2.2 SECONDARY DATA
 - 2.2.1 KEY SECONDARY SOURCES
 - 2.2.2 KEY DATA FROM SECONDARY SOURCES
- 2.3 PRIMARY DATA
 - 2.3.1 SAMPLING TECHNIQUES & DATA COLLECTION METHODS
 - 2.3.2 PRIMARY PARTICIPANTS
- 2.4 FACTOR ANALYSIS
 - 2.4.1 INTRODUCTION
 - 2.4.2 DEMAND-SIDE ANALYSIS
 - 2.4.2.1 Increase in number of self-driving cars
 - 2.4.3 SUPPLY-SIDE ANALYSIS
 - 2.4.3.1 Government mandates have led the automotive OEMs to provide autonomous emergency braking systems in their vehicles
- 2.5 MARKET SIZE ESTIMATION
 - 2.5.1 BOTTOM-UP APPROACH
 - 2.5.2 TOP-DOWN APPROACH
- 2.6 DATA TRIANGULATION
- 2.7 ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN THE AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

4.2 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY KEY TECHNOLOGY

4.3 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY OPERATING SPEED

4.4 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM, BY LEVEL OF AUTOMATION DRIVING

4.5 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM, BY APPLICATION

4.6 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM, BY COMPONENT

4.7 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM, BY VEHICLE TYPE

4.8 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Government mandates in European countries & the US and rising safety concerns

5.2.1.2 Increased consumer spending power

5.2.2 RESTRAINTS

5.2.2.1 Consumer sentiment and lack of functional clarity

5.2.3 OPPORTUNITIES

5.2.3.1 Rising accidents in emerging economies shall lead to increase in safety regulations

5.2.3.2 Growth in the number of semi-autonomous cars

5.2.4 CHALLENGES

5.2.4.1 Failure of AEB systems to recognize danger

5.3 PORTER'S FIVE FORCES ANALYSIS

5.3.1 THREAT OF NEW ENTRANTS

5.3.2 THREAT OF SUBSTITUTES

5.3.3 BARGAINING POWER OF SUPPLIERS

5.3.4 BARGAINING POWER OF BUYERS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

6 TECHNOLOGICAL OVERVIEW

6.1 INTRODUCTION

6.2 MAJOR TECHNOLOGIES IN AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

7 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY KEY TECHNOLOGY

7.1 INTRODUCTION

7.2 CAMERA-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION

7.3 FUSION-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION

7.4 LIGHT DETECTION AND RANGING (LIDAR)-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION

7.5 RADIO DETECTION AND RANGING (RADAR)-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION

8 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY APPLICATION

8.1 INTRODUCTION

8.2 FORWARD EMERGENCY BRAKING SYSTEM

8.3 MULTI-DIRECTIONAL EMERGENCY BRAKING SYSTEM

8.4 REVERSE EMERGENCY BRAKING SYSTEM

9 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY OPERATING SPEED

9.1 INTRODUCTION

9.2 HIGH SPEED INTER-URBAN AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION

9.3 LOW SPEED–CITY AUTONOMOUS EMERGENCY BRAKING SYSTEM, BY REGION

9.4 PEDESTRIAN/VULNERABLE ROAD USERS AUTONOMOUS EMERGENCY BRAKING SYSTEM, BY REGION

10 AUTONOMOUS EMERGENCY BRAKING (AEB) MARKET, BY COMPONENT

10.1 INTRODUCTION

10.2 ACTUATORS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM, BY REGION

10.3 AUDIBLE BUZZERS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM, BY REGION

10.4 CONTROLLERS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM, BY REGION

10.5 SENSORS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM, BY REGION

10.6 VISUAL INDICATORS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM, BY REGION

11 AUTONOMOUS EMERGENCY BRAKING (AEB) MARKET, BY LEVEL OF AUTOMATION DRIVING

11.1 INTRODUCTION

11.2 AUTONOMOUS PASSENGER CAR AEB SYSTEM MARKET

11.3 SEMI-AUTONOMOUS PASSENGER CAR AEB SYSTEM MARKET

12 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION

12.1 INTRODUCTION

12.2 ASIA PACIFIC

12.2.1 CHINA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.2.2 INDIA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.2.3 JAPAN: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.2.4 SOUTH KOREA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.2.5 REST OF ASIA PACIFIC: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.3 EUROPE

12.3.1 FRANCE: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.3.2 GERMANY: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.3.3 ITALY: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.3.4 UK: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.3.5 REST OF EUROPE: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

12.4 NORTH AMERICA

12.4.1 CANADA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

- 12.4.2 MEXICO: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET
- 12.4.3 US: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET
- 12.5 REST OF THE WORLD (ROW)
 - 12.5.1 BRAZIL: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET
 - 12.5.2 RUSSIA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET
 - 12.5.3 SOUTH AFRICA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET

13 COMPETITIVE LANDSCAPE

13.1 MARKET RANKING

14 COMPANY PROFILES

(Company overview, Strength of product portfolio, Product offerings, Business strategy excellence, Recent developments)*

- 14.1 INTRODUCTION
- 14.2 ROBERT BOSCH GMBH
- 14.3 CONTINENTAL AG
- 14.4 DENSO CORPORATION
- 14.5 ZF FRIEDRICHSHAFEN AG
- 14.6 HYUNDAI MOBIS CO., LTD.
- 14.7 AISIN SEIKI CO., LTD.
- 14.8 VALEO S.A.
- 14.9 DELPHI AUTOMOTIVE PLC
- 14.10 PACCAR INC.
- 14.11 TEXAS INSTRUMENTS INCORPORATED
- 14.12 AUTOLIV, INC.
- 14.13 KNORR-BREMSE AG
- 14.14 MANDO CORPORATION
- 14.15 ANALOG DEVICES, INC.
- 14.16 WABCO HOLDINGS, INC.

*Details on Company overview, Strength of product portfolio, Product offerings, Business strategy excellence, Recent developments might not be captured in case of unlisted companies.

15 APPENDIX

15.1 KEY INSIGHTS OF INDUSTRY EXPERTS

15.2 DISCUSSION GUIDE

15.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

15.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

15.5 AVAILABLE CUSTOMIZATIONS

15.5.1 COMPANY INFORMATION

15.6 RELATED REPORTS

15.7 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

Table 1 AVERAGE AMERICAN DOLLAR EXCHANGE RATES (PER 1 USD)

Table 2 PORTER'S FIVE FORCES ANALYSIS

Table 3 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY KEY TECHNOLOGY, 2016–2025 ('000 UNITS)

Table 4 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY KEY TECHNOLOGY, 2016–2025 (USD MILLION)

Table 5 CAMERA-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 6 CAMERA-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 7 FUSION-BASED AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 8 FUSION-BASED AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 9 LIGHT DETECTION AND RANGING (LIDAR)-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 10 LIGHT DETECTION AND RANGING (LIDAR)-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 11 RADIO DETECTION AND RANGING (RADAR)-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 12 RADIO DETECTION AND RANGING (RADAR)-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 13 AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY APPLICATION, 2016–2025 ('000 UNITS)

Table 14 AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY APPLICATION, 2016–2025 (USD MILLION)

Table 15 FORWARD EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 16 FORWARD EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 17 MULTI-DIRECTIONAL EMERGENCY BRAKING SYSTEM MARKET, BY

REGION, 2016–2025 ('000 UNITS)

Table 18 MULTI-DIRECTIONAL EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 19 REVERSE EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 20 REVERSE EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 21 AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY OPERATING SPEED, 2016–2025 ('000 UNITS)

Table 22 AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY OPERATING SPEED, 2016–2025 (USD MILLION)

Table 23 HIGH SPEED INTER-URBAN AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 24 HIGH SPEED INTER-URBAN AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 25 LOW SPEED–CITY AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 26 LOW SPEED–CITY AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 27 PEDESTRIAN-VULNERABLE ROAD USERS AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 28 PEDESTRIAN–VULNERABLE ROAD USERS AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 29 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY COMPONENT, 2016–2025 ('000 UNITS)

Table 30 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY COMPONENT, 2016–2025 (USD MILLION)

Table 31 ACTUATORS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 32 ACTUATORS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 33 AUDIBLE BUZZERS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 34 AUDIBLE BUZZERS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 35 CONTROLLERS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 36 CONTROLLERS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 37 SENSORS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 38 SENSORS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 39 VISUAL INDICATORS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 40 VISUAL INDICATORS: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 41 AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY LEVEL OF AUTOMATION DRIVING, 2016–2025 ('000 UNITS)

Table 42 AUTONOMOUS PASSENGER CAR AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 43 SEMI-AUTONOMOUS PASSENGER CAR AEB SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 44 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 45 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 46 ASIA PACIFIC: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY COUNTRY, 2016–2025 ('000 UNITS)

Table 47 ASIA PACIFIC: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY COUNTRY, 2016–2025 (USD MILLION)

Table 48 CHINA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 49 CHINA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 50 INDIA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 51 INDIA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 52 JAPAN: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 53 JAPAN: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 54 SOUTH KOREA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 55 SOUTH KOREA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 56 REST OF ASIA PACIFIC: AUTONOMOUS EMERGENCY BRAKING (AEB)

SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 57 REST OF ASIA PACIFIC: AUTONOMOUS EMERGENCY BRAKING (AEB)

SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 58 EUROPE: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY COUNTRY, 2016–2025 ('000 UNITS)

Table 59 EUROPE: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY COUNTRY, 2016–2025 (USD MILLION)

Table 60 FRANCE: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 61 FRANCE: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 62 GERMANY: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 63 GERMANY: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 64 ITALY: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET,

BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 65 ITALY: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET,

BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 66 UK: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY

VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 67 UK: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY

VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 68 REST OF EUROPE: AUTONOMOUS EMERGENCY BRAKING (AEB)

SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 69 REST OF EUROPE: AUTONOMOUS EMERGENCY BRAKING (AEB)

SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 70 NORTH AMERICA: AUTONOMOUS EMERGENCY BRAKING (AEB)

SYSTEM MARKET, BY COUNTRY, 2016–2025 ('000 UNITS)

Table 71 NORTH AMERICA: AUTONOMOUS EMERGENCY BRAKING (AEB)

SYSTEM MARKET, BY COUNTRY, 2016–2025 (USD MILLION)

Table 72 CANADA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 73 CANADA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 74 MEXICO: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 75 MEXICO: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 76 US: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 77 US: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 78 REST OF THE WORLD (ROW): AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY COUNTRY, 2016–2025 ('000 UNITS)

Table 79 REST OF THE WORLD (ROW): AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY COUNTRY, 2016–2025 (USD MILLION)

Table 80 BRAZIL: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 81 BRAZIL: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 82 RUSSIA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 83 RUSSIA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 84 SOUTH AFRICA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 85 SOUTH AFRICA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

List Of Figures

LIST OF FIGURES

Figure 1 AUTONOMOUS EMERGENCY BRAKING SYSTEMS MARKET:
SEGMENTATIONS COVERED

Figure 2 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEMS MARKET:
RESEARCH DESIGN

Figure 3 RESEARCH DESIGN MODEL

Figure 4 BREAKDOWN OF PRIMARY INTERVIEWS:

Figure 5 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEMS MARKET, BY
TYPE: BOTTOM-UP APPROACH

Figure 6 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEMS MARKET, BY
TYPE: TOP DOWN APPROACH

Figure 7 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY
REGION, 2020 VS 2025

Figure 8 AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY KEY
TECHNOLOGY, 2020 VS. 2025

Figure 9 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY
VEHICLE TYPE, 2020 VS. 2025

Figure 10 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY
APPLICATION, 2020 VS. 2025

Figure 11 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY
COMPONENT, 2020 VS. 2025

Figure 12 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY
OPERATING SPEED, 2020 VS. 2025

Figure 13 GOVERNMENT MANDATES IN EUROPE & US AND RISING SAFETY
CONCERNS AMONG CONSUMERS SHALL LEAD TO THE GROWTH OF THE
AUTONOMOUS EMERGENCY BRAKING (AEB) MARKET FROM 2020 TO 2025

Figure 14 RADAR-BASED AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM
IS EXPECTED TO HAVE THE LARGEST MARKET SIZE IN 2020

Figure 15 LOW SPEED-CITY AUTONOMOUS EMERGENCY BRAKING (AEB)
SYSTEMS IS EXPECTED TO HAVE THE LARGEST MARKET SIZE, 2020 VS. 2025
(‘000 UNITS)

Figure 16 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEMS IN THE SEMI-
AUTONOMOUS PASSENGER CAR SEGMENT IS EXPECTED TO HAVE THE
LARGEST MARKET SIZE, 2020 VS. 2025 (‘000 UNITS)

Figure 17 FORWARD EMERGENCY BRAKING SYSTEM IS EXPECTED TO HAVE
THE LARGEST MARKET SIZE, 2020 VS. 2025 (‘000 UNITS)

Figure 18 VISUAL INDICATORS FOR AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM IS EXPECTED TO HAVE THE LARGEST MARKET SIZE, 2020 VS. 2025 ('000 UNITS)

Figure 19 PASSENGER VEHICLES FOR AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM IS EXPECTED TO HAVE THE LARGEST MARKET SIZE, 2020 VS. 2025 ('000 UNITS)

Figure 20 ASIA-PACIFIC IS EXPECTED TO HOLD THE LARGEST MARKET SHARE, 2020 VS. 2025

Figure 21 AEB SYSTEM MARKET: MARKET DYNAMICS

Figure 22 ROAD ACCIDENT FATALITY RATES, PER 1,00,000 POPULATION, 2015

Figure 23 GROWTH IN THE NUMBER OF SEMI-AUTONOMOUS CARS

Figure 24 PORTER'S FIVE FORCES ANALYSIS: PRESENCE OF ESTABLISHED GLOBAL PLAYERS INCREASES THE DEGREE OF COMPETITION

Figure 25 LOW IMPACT OF THREAT OF NEW ENTRANTS ON THE AEB SYSTEM MARKET

Figure 26 THREAT OF SUBSTITUTES HAS A HIGH IMPACT ON THE AEB SYSTEM MARKET

Figure 27 MEDIUM IMPACT OF BARGAINING POWER OF SUPPLIERS ON THE AEB SYSTEM MARKET

Figure 28 BARGAINING POWER OF BUYERS HAS A HIGH IMPACT ON THE AEB SYSTEM MARKET

Figure 29 INTENSITY OF COMPETITIVE RIVALRY TO HAVE A HIGH IMPACT ON THE AEB SYSTEM MARKET

Figure 30 TECHNOLOGICAL EVOLUTION OF AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEMS

Figure 31 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY KEY TECHNOLOGY, 2020 VS. 2025, MARKET SIZE (000' UNITS)

Figure 32 AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY APPLICATION MARKET (000' UNITS)

Figure 33 AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY OPERATING SPEED, 2020 VS 2025 (000' UNITS)

Figure 34 AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET, BY COMPONENT, 2020 VS. 2025

Figure 35 AUTONOMOUS EMERGENCY BRAKING SYSTEM MARKET, BY LEVEL OF AUTOMATION DRIVING, (000' UNITS)

Figure 36 AEB SYSTEM MARKET, BY REGION, 2020 (USD MILLION)

Figure 37 ASIA PACIFIC: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET SNAPSHOT

Figure 38 EUROPE: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM

MARKET SNAPSHOT

Figure 39 NORTH AMERICA: AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET SNAPSHOT

Figure 40 REST OF THE WORLD (ROW): AUTONOMOUS EMERGENCY BRAKING (AEB) SYSTEM MARKET SNAPSHOT

Figure 41 ROBERT BOSCH GMBH: COMPANY SNAPSHOT

Figure 42 CONTINENTAL AG: COMPANY SNAPSHOT

Figure 43 DENSO CORPORATION: COMPANY SNAPSHOT

Figure 44 ZF FRIEDRICHSHAFEN AG: COMPANY SNAPSHOT

Figure 45 HYUNDAI MOBIS CO., LTD.: COMPANY SNAPSHOT

Figure 46 AISIN SEIKI CO., LTD.: COMPANY SNAPSHOT

Figure 47 VALEO S.A.: COMPANY SNAPSHOT

Figure 48 DELPHI AUTOMOTIVE PLC: COMPANY SNAPSHOT

Figure 49 PACCAR INC.: COMPANY SNAPSHOT

Figure 50 TEXAS INSTRUMENTS INCORPORATED: COMPANY SNAPSHOT

Figure 51 AUTOLIV, INC.: COMPANY SNAPSHOT

Figure 52 KNORR-BREMSE AG: COMPANY SNAPSHOT

Figure 53 MANDO CORPORATION: COMPANY SNAPSHOT

Figure 54 ANALOG DEVICES, INC.: COMPANY SNAPSHOT

Figure 55 WABCO HOLDINGS, INC.: COMPANY SNAPSHOT

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