

Automotive Battery Thermal Management System Market by Propulsion (BEV, HEV, PHEV, & FCV), Technology (Active and Passive), Vehicle Type (Passenger & Commercial), Battery Type (Conventional & Solid-State), Battery Capacity, and Region - Forecast to 2025

<https://marketpublishers.com/r/A1BFE8B5919EN.html>

Date: February 2018

Pages: 155

Price: US\$ 5,650.00 (Single User License)

ID: A1BFE8B5919EN

Abstracts

“Increasing requirement of battery thermal management for improving battery performance and efficiency and rising demand for electric vehicles are driving the growth of automotive battery thermal management system market”

The automotive battery thermal management system market is estimated to be USD 1.29 billion in 2017 and is projected to grow at a CAGR of 16.05% during the forecast period (2017–2025), to reach a market size of USD 4.24 billion by 2025. The market growth is primarily driven by factors such as an increase in demand for electric vehicles due to government policies and subsidies and technological advancements. The integration of automotive battery thermal management system with other electric thermal management systems is another major driver for the automotive battery thermal management system market. However, the design complexities of components used for battery thermal management system can hinder the growth of this market.

“FCV segment is the fastest growing segment by propulsion in the automotive battery thermal management system market”

The FCV segment is estimated to be the fastest growing segment, by volume as well as value, of the automotive battery thermal management system market during the forecast period. The PHEV segment is also expected to witness considerable growth

during the forecast period. The HEV and BEV segments will witness steady growth in the automotive battery thermal management system market.

“Passive technology is estimated to be the largest segment of the automotive battery thermal management system market”

The passive technology segment is projected to hold the largest market share during the forecast period. The growth of this technology can be attributed to the increased demand for HEV and PHEV segments. The growth can also be attributed to the high growth projections of HEVs in countries such as Japan, Canada, and China.

“Asia Pacific region constitutes the largest automotive battery thermal management system market”

Asia Pacific is estimated to be the largest market for automotive battery thermal management system during the forecast period. The market growth in the region can be attributed to the increasing sales of electric vehicles in countries such as China and Japan. The electric vehicle sales in China and Japan are expected to increase from 0.49 million units and 1.09 million units in 2016 to 2.17 million units and 2.1 million units in 2022, respectively. In addition, the Chinese government’s move of working on a timetable to end the production and sales of gasoline as well as diesel cars is expected to increase the electric vehicle market in the Asia Pacific region. Likewise, the Japanese government’s “Next-Generation Vehicle Strategy 2010” aims to increase the market share of electric vehicles to 50% of the total vehicle sales by 2020. Thus, the market for automotive battery thermal management system is also slated to increase with the increasing sales of electric vehicles in the region. The automotive battery thermal management system market in India is estimated to grow at the highest rate in the region. This growth can be attributed to the increased adoption of electric vehicles and government policies and incentives. India is also enhancing its R&D capability through joint efforts with various countries.

BREAKDOWN OF PRIMARIES

The study contains insights provided by various industry experts, ranging from hybrid system component suppliers to hybrid system suppliers and OEMs. The break-up of the primaries is as follows:

By Company Type – OEMs - 32%, Tier-1 - 52%, and Tier 2 (Battery thermal manufacturers) - 16%

By Designation - C level – 28%, D level – 22%, and Others (Product Specialist)-50%

By Region – Europe-30%, Asia Pacific - 30%, and North America - 40%

The report provides detailed profiles of major companies in the battery thermal management system market which include LG Chem (South Korea), Continental (Germany), GenTherm (US), Robert Bosch (Germany), Valeo (France), Calsonic Kansei (Japan), DANA (US), Hanon Systems (Korea), Samsung SDI (Korea), Mahle (Germany), VOSS Automotive (Germany), and CapTherm Systems (Canada).

Research Coverage:

The report analyzes the automotive battery thermal management system market across different verticals and regions. It aims at estimating the market size and future growth potential of the automotive battery thermal management system market by region, propulsion, technology, battery capacity, battery type, and vehicle type. Furthermore, the report also includes an in-depth competitive analysis of the key players in the market along with their company profiles, recent developments, and key market strategies.

Reasons to buy the Report:

The report will help the market leaders/new entrants in this market by providing them the closest approximations of the revenue numbers for the automotive battery thermal management system market. It will help stakeholders to better understand the competitor landscape and gain more insights to better position their businesses and make suitable go-to-market strategies. The report also helps the stakeholders to understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.

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
- 2.3 PRIMARY DATA
 - 2.3.1 SAMPLING TECHNIQUES & DATA COLLECTION METHODS
 - 2.3.2 PRIMARY PARTICIPANTS
- 2.4 DATA TRIANGULATION
- 2.5 FACTOR ANALYSIS
 - 2.5.1 INTRODUCTION
 - 2.5.2 DEMAND-SIDE ANALYSIS
 - 2.5.2.1 Increase in demand for BEVs & PHEVs
 - 2.5.2.2 Stringent emission norms
 - 2.5.2.3 Government policies and subsidies favoring electric vehicle infrastructure
 - 2.5.3 SUPPLY-SIDE ANALYSIS
 - 2.5.3.1 Increase in OEMs focus on electric vehicles
 - 2.5.3.2 OEMs focus on safety, convenience, and comfort systems in vehicles
- 2.6 MARKET SIZE ESTIMATION
- 2.7 ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE AUTOMOTIVE BATTERY THERMAL

MANAGEMENT SYSTEM MARKET

4.2 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION

4.3 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY

4.4 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY VEHICLE TYPE

4.5 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY TECHNOLOGY

4.6 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY CAPACITY

4.7 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Automotive battery thermal management system plays a crucial role in improving battery performance and efficiency

5.2.1.2 Integration of automotive battery thermal management system with other electric thermal management systems

5.2.1.3 Increase in demand for electric vehicles

5.2.1.4 Increase in miles driven by electric vehicles

5.2.2 RESTRAINTS

5.2.2.1 Design complexities in components used for battery thermal management system

5.2.2.2 Electric vehicles yet to become the mainstream

5.2.3 OPPORTUNITIES

5.2.3.1 Increasing adoption of new technologies in lithium-ion batteries

5.2.3.2 Growing trend of battery-driven public transport

5.2.4 CHALLENGES

5.2.4.1 Continues change in technology

5.2.4.2 Huge capital and R&D cost

5.2.4.3 Fast charging technology and reducing battery size resulted in high heat generation

6 TECHNOLOGICAL OVERVIEW

6.1 INTRODUCTION

6.2 ARCHITECTURE

6.2.1 ACTIVE SYSTEM

6.2.2 PASSIVE SYSTEM

6.2.2.1 Phase Change Material (PCM)

7 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY TECHNOLOGY

7.1 INTRODUCTION

7.2 ACTIVE

7.3 PASSIVE

8 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY CAPACITY

8.1 INTRODUCTION

8.1.1 100 KWH

8.1.2 100–200 KWH

8.1.3 200–500 KWH

8.1.4 500 KWH

9 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY TYPE

9.1 INTRODUCTION

9.2 CONVENTIONAL BATTERIES

9.3 SOLID-STATE BATTERIES

10 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY VEHICLE TYPE

10.1 INTRODUCTION

10.2 COMMERCIAL VEHICLE

10.3 PASSENGER VEHICLE

11 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION AND PROPULSION

11.1 INTRODUCTION

11.2 ASIA PACIFIC

11.2.1 CHINA

11.2.2 INDIA

11.2.3 JAPAN: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR AUTOMOTIVE

11.2.4 SOUTH KOREA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR AUTOMOTIVE

11.2.5 REST OF ASIA PACIFIC

11.3 EUROPE

11.3.1 FRANCE

11.3.2 GERMANY

11.3.3 ITALY

11.3.4 NETHERLANDS

11.3.5 NORWAY

11.3.6 UK

11.3.7 REST OF EUROPE

11.4 NORTH AMERICA

11.4.1 CANADA

11.4.2 MEXICO

11.4.3 US

11.5 REST OF THE WORLD (ROW)

11.5.1 BRAZIL

11.5.2 RUSSIA

11.5.3 SOUTH AFRICA

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 MARKET RANKING ANALYSIS

12.3 COMPETITIVE SITUATION & TRENDS

12.3.1 EXPANSION

12.3.2 PARTNERSHIPS/SUPPLY CONTRACTS/COLLABORATIONS/JOINT VENTURES/AGREEMENTS

12.3.3 MERGERS & ACQUISITIONS

12.3.4 NEW PRODUCT DEVELOPMENTS

13 COMPANY PROFILES

(Introduction, Products & Services, Strategy, & Analyst Insights, Developments, MnM View)*

- 13.1 CONTINENTAL
- 13.2 LG CHEM, LTD.
- 13.3 GENTHERM
- 13.4 ROBERT BOSCH
- 13.5 VALEO
- 13.6 CALSONIC KANSEI
- 13.7 DANA
- 13.8 HANON SYSTEMS
- 13.9 MAHLE GMBH
- 13.10 SAMSUNG SDI COMPANY LIMITED
- 13.11 VOSS AUTOMOTIVE GMBH
- 13.12 CAPTHERM SYSTEMS, INC.

*Details on MarketsandMarkets view, Introduction, Product & Services, Strategy, & Analyst Insights, New Developments might not be captured in case of unlisted companies.

14 APPENDIX

- 14.1 KEY INSIGHTS BY INDUSTRY EXPERTS
- 14.2 DISCUSSION GUIDE
- 14.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 14.4 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE
- 14.5 AVAILABLE CUSTOMIZATIONS
 - 14.5.1 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY VEHICLE TYPE & COUNTRY, 2016-2025
 - 14.5.1.1 Passenger vehicles
 - 14.5.1.2 Commercial vehicles
 - 14.5.2 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY TECHNOLOGY & COUNTRY, 2016-2025
 - 14.5.2.1 Active
 - 14.5.2.2 Passive
 - 14.5.3 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY TYPE (VOLUME) & REGION, 2016-2025
 - 14.5.3.1 Conventional

- 14.5.3.2 Solid-State
- 14.6 RELATED REPORTS
- 14.7 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

Table 1 CURRENCY EXCHANGE RATES (PER 1 USD)

Table 2 GOVERNMENT INCENTIVES FOR ELECTRIC VEHICLES

Table 3 GOVERNMENT SUBSIDIES & INCENTIVES FOR ELECTRIC VEHICLE CHARGING STATIONS (EVCS)

Table 4 MILES DRIVEN BY ELECTRIC VEHICLES, 2016 VS. 2017

Table 5 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR AUTOMOTIVE, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 6 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR AUTOMOTIVE, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 7 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR ACTIVE TECHNOLOGY, BY REGION, 2016–2025 ('000 UNITS)

Table 8 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR ACTIVE TECHNOLOGY, BY REGION, 2016–2025 (USD MILLION)

Table 9 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR PASSIVE TECHNOLOGY, BY REGION, 2016–2025 ('000 UNITS)

Table 10 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR PASSIVE TECHNOLOGY, BY REGION, 2016–2025 (USD MILLION)

Table 11 BATTERIES USED IN BEV, HEV, & PHEV

Table 12 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY CAPACITY, 2016–2025 ('000 UNITS)

Table 13 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY CAPACITY, 2016–2025 (USD MILLION)

Table 14 100 KWH: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 15 100 KWH: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 16 100–200 KWH: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 17 100–200 KWH: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 18 200–500 KWH: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 19 200–500 KWH: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 20 500 KWH: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM

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

Table 21 500 KWH: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM

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

Table 22 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY TYPE, 2016–2025 (USD MILLION)

Table 23 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR CONVENTIONAL BATTERIES, BY REGION, 2016–2025 (USD MILLION)

Table 24 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR SOLID-STATE BATTERIES, BY REGION, 2016–2025 (USD MILLION)

Table 25 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR AUTOMOTIVE, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 26 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR AUTOMOTIVE, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 27 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR COMMERCIAL VEHICLES, BY REGION, 2016–2025 ('000 UNITS)

Table 28 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR COMMERCIAL VEHICLES, BY REGION, 2016–2025 (USD MILLION)

Table 29 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR PASSENGER VEHICLES, BY REGION, 2016–2025 ('000 UNITS)

Table 30 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR PASSENGER VEHICLES, BY REGION, 2016–2025 (USD MILLION)

Table 31 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2016–2025 ('000 UNITS)

Table 32 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2016–2025 (USD MILLION)

Table 33 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 34 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 35 ASIA PACIFIC: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY, 2016–2025 ('000 UNITS)

Table 36 ASIA PACIFIC: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY, 2016–2025 (USD MILLION)

Table 37 ASIA PACIFIC: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 38 ASIA PACIFIC: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 39 CHINA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 40 CHINA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 41 INDIA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 42 INDIA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 43 JAPAN: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 44 JAPAN: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 45 SOUTH KOREA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 46 SOUTH KOREA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 47 REST OF ASIA PACIFIC: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 48 REST OF ASIA PACIFIC: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 49 EUROPE: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY, 2016–2025 ('000 UNITS)

Table 50 EUROPE: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY, 2016–2025 (USD MILLION)

Table 51 EUROPE: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 52 EUROPE: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 53 FRANCE: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 54 FRANCE: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 55 GERMANY: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 56 GERMANY: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 57 ITALY: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 58 ITALY: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 59 NETHERLANDS: AUTOMOTIVE BATTERY THERMAL MANAGEMENT

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

Table 60 NETHERLANDS: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 61 NORWAY: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 62 NORWAY: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 63 UK: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 64 UK: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 65 REST OF EUROPE: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 66 REST OF EUROPE: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 67 NORTH AMERICA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY, 2016–2025 ('000 UNITS)

Table 68 NORTH AMERICA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY, 2016–2025 (USD MILLION)

Table 69 NORTH AMERICA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 70 NORTH AMERICA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 71 CANADA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 72 CANADA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 73 MEXICO: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 74 MEXICO: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 75 US: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 76 US: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 77 REST OF THE WORLD (ROW): AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY, 2016–2025 ('000 UNITS)

Table 78 REST OF THE WORLD (ROW): AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY, 2016–2025 (USD MILLION)

Table 79 REST OF THE WORLD (ROW): AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 80 REST OF THE WORLD (ROW): AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 81 BRAZIL: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 82 BRAZIL: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 83 RUSSIA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 84 RUSSIA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 85 SOUTH AFRICA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 ('000 UNITS)

Table 86 SOUTH AFRICA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2016–2025 (USD MILLION)

Table 87 EXPANSION, 2016–2017

Table 88 PARTNERSHIPS/SUPPLY CONTRACTS/COLLABORATIONS/JOINT VENTURES/AGREEMENTS, 2016–2017

Table 89 MERGERS & ACQUISITIONS, 2015–2017

Table 90 NEW PRODUCT DEVELOPMENT, 2015–2017

List Of Figures

LIST OF FIGURES

Figure 1 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET: SEGMENTATIONS COVERED

Figure 2 RESEARCH DESIGN

Figure 3 RESEARCH METHODOLOGY MODEL

Figure 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, & REGION

Figure 5 BEV, & PHEV SALES DATA (2017 VS. 2022)

Figure 6 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET: BOTTOM-UP APPROACH

Figure 7 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET: TOP-DOWN APPROACH

Figure 8 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2017 VS. 2025 (VALUE)

Figure 9 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY TECHNOLOGY, 2017 VS. 2025

Figure 10 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY CAPACITY, 2017 VS. 2022 VS. 2025 (VALUE)

Figure 11 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY VEHICLE TYPE, 2017 VS. 2025 (VALUE)

Figure 12 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY PROPULSION, 2017 VS. 2025 (VALUE)

Figure 13 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY TYPE, 2022 VS. 2025 (VALUE)

Figure 14 RISING DEMAND FOR ELECTRIC VEHICLES TO DRIVE THE AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET

Figure 15 ASIA PACIFIC WAS EXPECTED TO HOLD THE LARGEST SHARE IN THE AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET IN 2017 (BY VALUE)

Figure 16 THE AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET IN INDIA IS EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD (BY VALUE)

Figure 17 PASSENGER VEHICLE SEGMENT IS EXPECTED TO HOLD THE LARGEST MARKET SHARE DURING THE FORECAST PERIOD (BY VALUE)

Figure 18 PASSIVE TECHNOLOGY IS EXPECTED TO HAVE THE LARGEST MARKET SIZE, 2017 VS. 2025 (VALUE)

Figure 19 BELOW 100 KWH BATTERY CAPACITY SEGMENT IS EXPECTED TO LEAD THE AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET DURING THE FORECAST PERIOD, 2017 VS. 2025 (VOLUME)

Figure 20 BEV SEGMENT IS EXPECTED TO HOLD THE LARGEST MARKET SIZE, 2017 VS. 2025 (VALUE)

Figure 21 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM: MARKET DYNAMICS

Figure 22 HEV & PHEV SALES, 2016 VS. 2021

Figure 23 ACTIVE AIR SYSTEM

Figure 24 ACTIVE AIR SYSTEM WITH HEAT RECOVERY SYSTEM

Figure 25 CONDUCTIVE ACTIVE LIQUID SYSTEM

Figure 26 PHASE CHANGE MATERIAL (PCM) SYSTEM WITH ACTIVE THERMAL MANAGEMENT SYSTEM

Figure 27 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY TECHNOLOGY, 2017 VS. 2022 VS. 2025

Figure 28 THE AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR THE BELOW 100 KWH BATTERY CAPACITY SEGMENT IS EXPECTED TO ACCOUNT FOR THE LARGEST MARKET SHARE, 2017 VS. 2022 VS. 2025 (USD MILLION)

Figure 29 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY BATTERY TYPE, 2017 VS. 2025

Figure 30 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY VEHICLE TYPE, 2017 VS. 2025

Figure 31 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY REGION, 2017 VS. 2025 (USD MILLION)

Figure 32 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR AUTOMOTIVE, BY PROPULSION, 2017 VS. 2025 (USD MILLION)

Figure 33 ASIA PACIFIC: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR AUTOMOTIVE SNAPSHOT

Figure 34 EUROPE: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET, BY COUNTRY, 2017 VS. 2025 ('000 UNITS)

Figure 35 NORTH AMERICA: AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR AUTOMOTIVE SNAPSHOT

Figure 36 REST OF THE WORLD (ROW): AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET SNAPSHOT

Figure 37 KEY DEVELOPMENT BY LEADING PLAYERS IN THE AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET FOR 2012–2017

Figure 38 AUTOMOTIVE BATTERY THERMAL MANAGEMENT SYSTEM MARKET RANKING: 2017

- Figure 39 CONTINENTAL: COMPANY SNAPSHOT
- Figure 40 CONTINENTAL: SWOT ANALYSIS
- Figure 41 LG CHEM, LTD.: COMPANY SNAPSHOT
- Figure 42 LG CHEM, LTD.: SWOT ANALYSIS
- Figure 43 GENTHERM: COMPANY SNAPSHOT
- Figure 44 GENTHERM: SWOT ANALYSIS
- Figure 45 ROBERT BOSCH: COMPANY SNAPSHOT
- Figure 46 ROBERT BOSCH: SWOT ANALYSIS
- Figure 47 VALEO: COMPANY SNAPSHOT
- Figure 48 VALEO: SWOT ANALYSIS
- Figure 49 CALSONIC KANSEI: COMPANY SNAPSHOT
- Figure 50 DANA: COMPANY SNAPSHOT
- Figure 51 HANON SYSTEMS: COMPANY SNAPSHOT
- Figure 52 MAHLE GMBH: COMPANY SNAPSHOT
- Figure 53 SAMSUNG SDI COMPANY LIMITED: COMPANY SNAPSHOT

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