

Automotive Communication Protocols Market Size, Trends, Analysis, and Outlook by Type (Local Interconnect Network, Controller Area Network, FlexRay, Media-Oriented Systems Transport, Ethernet), Application (Powertrain, Body Control & Comfort, Infotainment & Communication, Safety & ADAS), by Country, Segment, and Companies, 2024-2030

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Abstracts

The global Automotive Electric Engine market size is poised to register 19.6% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The study analyzes the global Automotive Electric Engine market by Ignition (Spark Ignition, Compression Ignition), Combustion (Internal Combustion (IC), External Combustion (EC)), Arrangement of Cylinders (Inline, Horizontal, Radial). The Automotive Electric Engine Market is poised for profound evolution until 2030, driven by several pivotal trends and drivers. With the increasing emphasis on sustainability, energy efficiency, and emission reduction in the automotive industry, there's a growing demand for electric engines as a viable alternative to internal combustion engines (ICEs). This demand is further fueled by stringent emission regulations globally, supporting automakers to invest in electric vehicle (EV) technology to meet regulatory compliance and consumer preferences. In addition, as battery technology advances and charging infrastructure expands, there's a trend toward the development of electric engines with improved range, performance, and charging capabilities, driving greater adoption of EVs across various vehicle segments. Further, the integration of advanced power electronics, electric motor designs, and energy management systems is anticipated to enhance the efficiency and reliability of electric

engines, making them more competitive with ICEs in terms of cost and performance. Furthermore, the rise of autonomous driving technology and connected car ecosystems is expected to accelerate the transition to electric engines, as EVs offer inherent advantages in terms of drivetrain simplicity, software integration, and autonomous operation. .

Automotive Electric Engine Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Automotive Electric Engine market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Automotive Electric Engine survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Automotive Electric Engine industry.

Key market trends defining the global Automotive Electric Engine demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Automotive Electric Engine Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Automotive Electric Engine industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Automotive Electric Engine companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Automotive Electric Engine industry
Leading Automotive Electric Engine companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Automotive Electric Engine companies.

Automotive Electric Engine Market Study- Strategic Analysis Review

The Automotive Electric Engine market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis.

Explore potential market disruptions, technology advancements, and economic changes.

Automotive Electric Engine Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Automotive Electric Engine industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Automotive Electric Engine Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Automotive Electric Engine Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Automotive Electric Engine market segments. Similarly, Strong end-user demand is encouraging Canadian Automotive Electric Engine companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Automotive Electric Engine market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Automotive Electric Engine Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Automotive Electric Engine industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Automotive Electric Engine market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Automotive Electric Engine Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Automotive Electric Engine in Asia Pacific. In particular, China, India, and South East Asian Automotive Electric Engine markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Automotive Electric Engine Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Automotive Electric Engine Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Automotive Electric Engine market potential. Fueled by increasing consumption expenditure, growing population, and high demand across a few markets drives the demand for Automotive

Electric Engine.

Automotive Electric Engine Market Company Profiles

The global Automotive Electric Engine market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are ABB Ltd, Hyosung Heavy Industries Corp, Johnson Electric Holdings Ltd, Nidec Corp, Regal Beloit Corp, Siemens AG, TECO Electric & Machinery Co. Ltd, Toshiba Corp, WEG S.A., Wolong Holding Group Co. Ltd.

Recent Automotive Electric Engine Market Developments

The global Automotive Electric Engine market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Automotive Electric Engine Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

Ignition

Spark Ignition

Compression Ignition

Combustion

Internal Combustion (IC)

External Combustion (EC)

Arrangement of Cylinders

Inline
Horizontal
Radial

Geographical Segmentation:

North America (3 markets)
Europe (6 markets)
Asia Pacific (6 markets)
Latin America (3 markets)
Middle East Africa (5 markets)

Companies

ABB Ltd
Hyosung Heavy Industries Corp
Johnson Electric Holdings Ltd
Nidec Corp
Regal Beloit Corp
Siemens AG
TECO Electric & Machinery Co. Ltd
Toshiba Corp
WEG S.A.
Wolong Holding Group Co. Ltd.
Formats Available: Excel, PDF, and PPT

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Type

Local Interconnect Network

Controller Area Network

FlexRay

Media-Oriented Systems Transport

Ethernet

Application

Powertrain

Body Control & Comfort

Infotainment & Communication

Safety & ADAS

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- Infineon Technologies AG
- Melexis NV
- Microchip Technology Inc

NXP Semiconductors NV
ON Semiconductor Corp
Renesas Electronics Corp
Robert Bosch GmbH
ROHM Co. Ltd
Softing Automotive Electronics GmbH
Speedgoat GmbH
STMicroelectronics International N.V.
Texas Instruments Inc
Toshiba Corp
Vector Informatik GmbH

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