

Technology Landscape, Trends and Opportunities in the Global Automotive Intelligent Battery Sensor Market

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Abstracts

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The technologies in automotive intelligent battery sensor have undergone significant change in recent years, with low range sensors to high range sensors. The rising wave of new technologies such as SoX status sensor, CAN sensor, LIN sensor, and smart shunt sensors technologies are creating significant potential for automotive intelligent battery sensor due to CO₂ reduction, avoid vehicle breakdown caused by early warning of battery breakdown, and provides battery's state-of-charge (SOC), state-of-health (SOH), state-of-function (SOF).

In this market, various technologies are used which include LIN (local interconnect network), CAN (controller area network), and MCU (motor controller unit). Rising demand for fuel-efficient vehicles, increase in vehicle production, and the rising emission concerns are creating opportunities for various automotive intelligent battery sensor technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the automotive intelligent battery sensor market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecasts and strategic implications for the global automotive intelligent battery sensor technology by application, technology, and region

as follows:

Technology Readiness by Technology Type

Competitive Intensity and Regulatory Compliance

Disruption Potential by Technology Type

Trends and Forecasts by Technology Type [\$M shipment analysis from 2018 t%li%2030]:

LIN (Local Interconnect Network)

CAN (Controller Area Network)

MCU (Motor Controller Unit)

Trends and Forecasts by Application [\$M shipment analysis from 2018 t%li%2030]:

Passenger Cars

LIN (Local Interconnect Network)

CAN (Controller Area Network)

MCU (Motor Controller Unit)

Light Commercial Vehicles

LIN (Local Interconnect Network)

CAN (Controller Area Network)

MCU (Motor Controller Unit)

Heavy Commercial Vehicles

LIN (Local Interconnect Network)

CAN (Controller Area Network)

MCU (Motor Controller Unit)

Trends and Forecasts by Region [\$M shipment analysis for 2018 to 2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

Latest Developments and Innovations in the Automotive Intelligent Battery Sensor Technologies

Technology Landscape, Trends and Opportunities in the Global Automotive Intelligent Battery Sensor Market

Companies / Ecosystems

Strategic Opportunities by Technology Type

Some of the automotive intelligent battery sensor companies profiled in this report include Hella, Continental, Bosch, Furukawa Electric, NXP, Vishay, Texas Instrument, Denso, Ams, Inomatic, and TE Connectivity.

This report answers following 9 key questions:

Q.1 What are some of the most promising and high-growth technology opportunities for the automotive intelligent battery sensor market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in automotive intelligent battery sensor market?

Q.4 What are the levels of technology readiness, competitive intensity and regulatory compliance in this technology space?

Q.5 What are the business risks and threats to these technologies in automotive intelligent battery sensor market?

Q.6 What are the latest developments in automotive intelligent battery sensor technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Who are the major players in this automotive intelligent battery sensor market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this automotive intelligent battery sensor technology space?

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9.8. Denso

9.9. Ams

9.10. Inomatic

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