

Automotive Energy Harvesting and Regeneration System Market Growth, Industry Outlook & Opportunities | DataM Intelligence

The Global Automotive Energy Harvesting and Regeneration System Market is expected to grow at a CAGR of 20% during the forecasting period (2021-2028).

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Market Overview

Energy harvesting is the procedure in which a small quantity of strength, that might otherwise be lost which include heat, mild, sound, vibration, wind magnetic pressure or motion, is converted into an electric-powered contemporary and stored for later usage. Key players within the automobile enterprise are making an investment closely in R&D to provide you with main-aspect technologies if you want to deliver them a competitive benefit over other gamers inside the industry. With the advent of power harvesting and regeneration structures, automakers were capable of offering an approach to issues including diminishing oil reserves and elevated worldwide warming and pollutants.

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DataM Intelligence

The document covers all of the predominant traits and drivers playing an essential function within the growth of the worldwide marketplace. The marketplace has been segmented primarily based on location, energy kind, and automobile kind.

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Market Dynamics

The international Automotive Energy Harvesting and Regeneration System market is generally driven with the aid of the developing call for electric automobiles (EVs) globally. As power harvesting and regeneration device are used EVs store energy for later use. Therefore, the upward thrust in demand for cars going for walks on opportunity fuels including EVs coupled with the introduction of law relating to lowering carbon footprint and global warming will gas increase in the worldwide automobile electricity harvesting and regeneration device marketplace throughout the forecast length.

According to International Energy Agency (IEA), in 2017, extra than 1,000,000 EVs were offered globally, with international locations like Norway, China, and America dominating the global EVs market in phrases of marketplace proportion. In the identical yr, globally greater than 3 million EVs have been in stock. Energy harvesting and regeneration machine are some of the key additives that are now being hooked up with the aid of EV manufacturers, to offer price addition to their customers. These systems offer a clean supply of strength and consequently, it is predicted that the call for car strength harvesting and regeneration structures will growth at some stage in the forecast length.

However, the high access prices and coffee energy ability of batteries may restrict market increase. Automotive power harvesting and regeneration systems have a low electricity conversion fee that's about 5%, consequently, posing a chief chance for marketplace boom.

Market Segmentation

By Energy Type

- Kinetic Energy Recovery System (KERS)
- Thermal Energy storage systems
- Regenerative Shock Absorber System
- Solar Power Systems (Photovoltaic)

By Vehicle Type

- Hybrid-electric vehicles (HEV)
- Plug-in hybrid electronic vehicles (PHEV)
- Battery electric vehicles (BEV)

By Region

- North America
- Europe
- South America
- Asia Pacific
- Middle East and Africa

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Competitive Landscape

Global Automotive Energy Harvesting and Regeneration System is very new and at a nascent stage with the presence of top multinationals as well as small-mid size players. The major players include Robert Bosch GmbH, Gentherm Incorporated, Continental AG, Delphi Automotive PLC, and Denso Corporation. These players have a diverse portfolio of products and offer new innovative products to their customers. Other prominent vendors with similar product offerings are Tenneco Inc., Faurecia SA, ZF Group, and Ricardo PLC.

Robert Bosch GmbH, Continental AG, Delphi Automotive PLC, and Denso Corporation are some of the big conglomerates with a wide product and service portfolio with a worldwide presence.

In April 2019, Gentherm Incorporated was recognized as a 2019 Automotive News PACE Award winner for its battery thermal management (BTM) system.

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