

# Computer Trends In Hybrid Vehicles.

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- **Abstract:** Hybrid electric vehicles (HEVs) have been developed in a quest to reduce air pollution while saving natural resources. With HEVs documented to house dual powered engine systems, a reduced dependence on fossil fuels has been reported due to the compensation resulting from electric propulsion systems. Specific benefits accruing from the use of HEVs include environmental friendliness, financial benefits due to tax exemption and lower running costs, and the presence of regenerative braking systems that recharge batteries for use in later times. However, demerits include high purchasing costs, less power, and the need for expertise during repair as technological advancement remains inevitable. Therefore, the decision on whether to purchase HEVs or not should be determined by the intended purpose of an organization or an individual. In situations requiring emergency response or transportation of heavy loads by trucks, HEVs are unlikely to gain application. However, situations where city driving is preferred might witness HEVs gain significant application. Imperative to note is that the initial costs of purchasing and maintaining HEVs are offset by tax exemption and lower running costs, and that their adoption could pose a long-term benefit of fostering economic and environmental sustainability. Overall thus, the initial high cost of HEVs is compensated or offset by tax exemptions and lower running costs and that the adoption could save the environment while striving towards a greener or sustainable economy.
- **Keyword:** Hybrid, HEVs, fossil fuels, regenerative, tax exemption, striving,