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ELECTRIC CARS

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Electric cars use one or more traction or electric motors for their propulsion (James, 2021). They may include planes, trucks, boats, and even trains. The production of electric vehicles dates back to the 1830s in Aberdeen, Scotland. This attempt was a success seeing the emergence of electric taxis in London towards the fall of the century. They however faced a challenge from fuel-powered cars as the prices of oil dropped.

Battery Electric Vehicles (BEVs)

Also called all-electric vehicles. They source their power solely from a rechargeable battery. They are fitted with high-capacity battery packs, the most preferred being lithium-ion, for their ability to store more energy. Batteries are charged externally. BEVs record zero harmful emissions as they lack internal combustion engines. Examples of BEVs include BMWi3, Hyundai Ionic and Tesla Model 3.

Plug-in Hybrid Electric Vehicles (PHEV)

Combine a battery and an electric motor which is powered by fossil fuel. They are charged externally or by use of their onboard generators or engines, implying they can switch between electricity and gasoline. Their batteries capacities are relatively small.

Examples include Mini Cooper SE Countryman, BMW i8, Ford C-Max Energi, and Toyota Prius.

Hybrid Electric vehicles (HEVs)

Use both electricity and fossil fuel. They make use of the regenerative braking system in which heat from the braking system is used to recharge the batteries. These cars are not externally charged. The electric motor is for ignition while the internal combustion engine takes over as the vehicle catches speed. Examples are Honda Civic Hybrid, Toyota Prius Hybrid, and Toyota Camry Hybrid.

In recent ages, climate concerns, production costs as well as running costs have gained electric vehicles more popularity and access to the general public. For instance, charging an electric car in the UK costs roughly 8.40 Euros which is considerably cheaper compared to filling a fuel tank. As of 2020, more than 10 million Electric cars were on the world roads (Richter, 2021).

Benefits of Microsoft Word

Word allows for the translation of texts, which enhances communication across different languages. Strategic positioning of features in MS10 and later allows for easier access and is user-friendly. It offers the ability to add visual impacts through charts

and diagrams. Saving your document online allows one to access, post, and edit it from anywhere virtually and using different devices.

References

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