Swaziland electric vehicle adoption

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Fleet electrification has presented itself as a possible solution. Should your fleet jump on this eco-friendly train, and how can your business ease into the transition?

Electric vehicles, commonly known as EVs, are vehicles designed to operate entirely or partially using electricity as their primary source of power. In contrast to conventional vehicles, which rely on gasoline or fossil fuels, electric vehicles make use of an electric motor that draws energy from advanced sources such as rechargeable batteries or fuel cells. These sources supply the necessary electricity to power the rechargeable battery, enabling the vehicle to move. Electric vehicles are split into two types:

Fleet electrification refers to a fleet strategically shifting its vehicles from traditional gasoline or diesel-fueled vehicles to zero-emission electric vehicles.

This switch encompasses a variety of vehicle types, including vans, trucks, and cars, all powered by electricity. This shift is driven by a range of factors, including advancements in battery technology, decreasing costs of electric vehicles, and the need to mitigate the effects of climate change.

Applying fleet management for EVs involves efficiently handling a group of commercial electric vehicles, which can consist of delivery vans or company cars. Fleet managers are responsible for vehicle maintenance, driver monitoring, and route optimisation to name a few. These responsibilities are a challenge for fleet managers with traditional vehicles and can be equally challenging for fleet managers with electric vehicles, making fleet management vital, irrespective of the nature of your fleet.

EV fleet management systems are designed to offer companies the ability to enhance productivity, save costs, and ensure compliance across their entire fleet. Fleet management can help electric vehicle fleet managers in this regard, by giving them access to real-time data on vehicle performance, battery life, costs, and more.

Telematics is a technology that makes use of telecommunications and informatics to collect GPS fleet tracking data and a range of other vehicle-specific information. Telematics can provide in-depth data on vehicle speed, braking, and the areas the vehicle travelled to and from. Just like gasoline-powered fleets, telematics plays a significant role in electric fleets by providing crucial data and insights that can optimise the efficiency, performance, and management of electric vehicles. Here are the key roles that telematics plays in electric fleets.

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