SHANE: ELECTRIC TWO-WHEELED VEHICLE THAT CAN CHANGE THE WORLD

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One of the most pressing ecological problems of the modern world is the negative impact of the high number of cars that use petroleum as their main source of energy. The automotive industry has expanded rapidly in the past decades, especially in developing countries, where the demand for personal mobility and transportation is high. However, this expansion has also brought significant environmental and social costs. Cars that use petroleum are responsible for a large share of the global CO2 emissions and air pollution, which contribute to climate change and affect human health. According to the International Energy Agency, transport accounted for 24% of the total CO2 emissions from fuel combustion in 2016, and road vehicles represented 74% of that share. Climate change, in turn, can lead to various health problems, such as respiratory and cardiovascular diseases, injuries and deaths from extreme weather events, infectious diseases transmitted by vectors or water, foodborne illnesses, and mental health issues. Furthermore, cars that use petroleum consume a finite and non-renewable resource, which increases the dependency on oil-

producing countries and creates geopolitical tensions. Additionally, the high number of cars on the road's causes traffic congestion and parking problems in many urban areas, which reduce the quality of life and productivity of the inhabitants. Therefore, it is imperative to find alternative and sustainable solutions to address the ecological problems caused by the high number of cars that use petroleum.

To address these issues, Shane Chen, the inventor of the original Hoverboard, has developed a novel concept of a two-wheeled electric car, called SHANE, that aims to revolutionize the way people drive. SHANE is the first feasible and efficient two-wheeled car concept that can be used for both urban and highway driving, while taking advantage of the laws of physics to create a futuristic ride.

Some of the main features of this car concept are as follows.

- Stability: The SHANE has a mechanism that adjusts its center of gravity according to the position of the wheels, which ensures stability and safety comparable to that of a conventional four-wheeled car, even under driving and braking forces.
- Maneuverability: The SHANE is designed to make driving and parking easier, as it has two-wheel differential speed control, which eliminates the need for a complex front-wheel steering system.
- Energy Efficiency: The SHANE boasts large wheels that minimize rolling resistance, in addition to in-wheel regenerative shocks that recuperate damping energy, which is subsequently utilized to recharge the battery.

Ultimately, SHANE is a groundbreaking car concept that offers a solution to the environmental and social problems caused by the conventional automotive industry. By using only two wheels, SHANE reduces its size, weight, and energy consumption, while maintaining its stability, maneuverability, and performance. Compared to other electric cars, SHANE has a unique design that makes it stand out from the crowd and provides a new driving experience for motorists. SHANE is not only a vehicle, but also a vision for the future of mobility.

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