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Driving the Future of Mobility

Future of Mobility

In the United States, transportation is the top emitter of greenhouse gases, mainly from cars and trucks, accounting for 29% of total emissions. Since 1990, this sector has seen the most significant increase in emissions, while the automotive industry has undergone major shifts away from internal combustion engines.

Sweden leads in green transport, pioneering electric vehicles (EVs) and charging networks, making it the perfect ally for the United States in pushing sustainable mobility forward. This partnership could set a global benchmark for eco-friendly transportation, combining expertise and innovation for a cleaner future.





Shifting Gears for Sustainable Transportation

With heavy investments in electric and autonomous vehicles, battery tech, and green infrastructure, sustainable transport is evolving in Sweden. Highlighted by the launch of the world's first electric road in 2016, Sweden aims for net-zero emissions by 2045. Stockholm, Europe's first city to gain the title European Green Capital in 2010, and Gothenburg, a hub for EV innovation with the Nordics' largest electric bus fleet, exemplify Sweden's commitment to eco-friendly urban development. With its cutting-edge urban planning and public transit solutions, Sweden stands as a prime ally for the U.S. in cutting transport emissions.

Driving Sustainability and Innovation in Battery Value Chains

Sweden strives to become a leading nation in sustainable battery value chains, with companies as battery manufacturer Northvolt who is dedication to drive the creation of the world's most sustainable batteries. Volvo Energy provides comprehensive solutions for battery optimization and lifecycle management. Atlas Copco Power Technique develops temporary energy storage solutions for industrial applications. Moreover, the supply chain benefits from alternative cathode active material providers like Altris, specializing in sodium-ion battery technology, and Enerpoly, leading the charge-complementing with zinc-ion battery technology. Maritime leaders Volvo Penta, Candela, and Xshore, alongside aviation pioneer Heart Aerospace, highlight Sweden's commitment to a greener, innovative transport future, setting global sustainability standards.

Powering Beyond Batteries, Sweden's Leap into Alternative Fuels

Where batteries fall short, Sweden excels: Liquid Wind is pioneering the next wave of fossil-free fuel alternatives in shipping solutions. And Scania, as well as Volvo Trucks for the long-haul, focuses on biofuels, including blending mandates and hydrogen/e-fuels to bridge the gap between weight and range for long-haul transportation.

Out of Cars and into Public Transportation

Sweden, with a population of approximately 10 million and a land area surpassing California's, has significantly boosted public transportation usage over recent decades. This success is

attributed to the establishment of strong and effective regional institutions known as Public Transport Authorities (PTAs), which oversee the planning and management of coordinated public transportation networks across Sweden. Furthermore, public transit's share of all vehicular trips in Sweden grew from 24% in 2010 to 32% in 2019; this accomplishment highlights the success of Sweden's strategy of promoting sustainable transportation alternatives, reducing car dependency, and demonstrating its commitment to accessibility and equitable transport solutions for all.

Pioneering Sustainable Transport Solutions

Sweden is at the forefront of the EU's Green Corridors initiative, piloting cutting-edge projects, revolutionize transportation. With giants like Volvo Trucks and Scania leading this collaborative mission, Sweden leads the way for sustainable transport across Europe. Sweden's drive for innovation cements its position as a leader in sustainable transport across Europe.

Leading the World with Vision Zero in Traffic Safety

Sweden's "Vision Zero" initiative, launched in the 1990s, aims to eradicate road fatalities and serious injuries, underscoring a shift towards systemic improvements over individual blame. This strategy focuses on enhanced road design, vehicle technology, and strict speed regulations, including safety cameras and innovative engineering like roundabouts. Sweden's commitment has led to one of the lowest road fatality rates globally.

