Green Corridor in Tajikistan

A **Green Transport Corridor** is a concept aimed at creating a transport system with minimal carbon emissions. In this corridor, eco-friendly vehicles are used, logistics are optimized, and energy-efficient technologies are implemented. The goal is to make transportation more sustainable.

Why it's important: The creation of green transport corridors helps protect the environment and supports sustainable economic development, especially in emerging economies like Tajikistan.



Current Transport Situation in Tajikistan

Tajikistan is poised to become a transport powerhouse in Central Asia, thanks to its strategic location aTajikistan is a country with significant potential for transport development, especially due to its strategic location in Central Asia. The government has been actively investing in improving roads and modernizing transport infrastructure, focusing on creating sustainable connections within the country and to neighboring states.

- Tajikistan has made considerable progress in upgrading its road network, with several major highways recently modernized.
- The country is positioned as a key transit hub for international trade routes, including the North-South and East-West corridors.
- Tajikistan is investing in the development of eco-friendly transport solutions, including plans for electric public transport in urban areas.



Concept of the Green Transport Corridor

A **Green Transport Corridor** refers to a transportation system that minimizes CO_2 emissions. For example, electric cars, hydrogen trucks, and eco-friendly logistics centers are key elements. The aim is to make transport as "green" and efficient as possible.

- Green corridors include the use of renewable energy sources (solar panels, wind turbines).
- Optimized customs and border procedures reduce waiting times, which lowers emissions from idling vehicles.



Goals and Objectives of the Green Corridor in Tajikistan

The main objectives are to improve roads, reduce border crossing times, introduce "green" public transport (electric buses), and lower air pollution.

- The goal is to reduce CO_2 emissions by 15-20% by 2030.
- Introduction of electric transport for public use in cities like Dushanbe.

Environmental and Economic Benefits

Tajikistan has an advantage when it comes to green transport due to its abundant hydroelectric power. The country is home to several large hydropower plants, including the Rogun, Nurek, and others. This renewable energy source will make charging electric vehicles cost-effective and environmentally friendly.

- With over 95% of its electricity generated by hydropower, Tajikistan can supply clean and affordable energy for electric transport.
- Major hydropower plants like Rogun and Nurek provide stable and low-cost electricity, reducing the overall costs for electric vehicle infrastructure.
- This creates economic benefits, such as cheaper public transport and reduced dependency on imported fossil fuels.





International Cooperation

For the success of the green transport corridor, international cooperation is crucial. Tajikistan, along with neighboring countries like China and Uzbekistan, must coordinate efforts to improve roads, simplify customs processes, and develop eco-friendly transport together.

- Tajikistan is part of China's "Belt and Road Initiative," which includes investments in transport infrastructure.
- World Bank and Asian Development Bank are key partners in funding and supporting green transport projects in Central Asia.

Technological Solutions

Tajikistan is embracing modern technologies to enhance its transport infrastructure. In Dushanbe, the **Smart City** system is already in operation, with all traffic lights connected to it. This system optimizes traffic flow and improves road safety.

In addition, the Ministry of Transport has established a **Digitalization Center** that is currently working on transitioning all roads in Tajikistan to a digital format. Once this project is complete, a unified digital road map will be available, providing real-time information on traffic, road repairs, and weather conditions. This will make transport management more efficient and reduce congestion.

- The Smart City system in Dushanbe connects all traffic lights, allowing for better traffic control and smoother movement.
- The Digitalization Center of the Ministry of Transport is creating a unified digital road map, which will include data on traffic, road conditions, weather updates, and repairs, significantly improving road management.



Plans and Projects for the Green Corridor in Tajikistan

Tajikistan has launched several projects to modernize roads, improve environmental standards for transport, and develop renewable energy for transport infrastructure. These initiatives are part of a broader strategy to create a sustainable and eco-friendly transport network.

- In 2023, solar panels were installed along major highways to power road lighting systems.
- Plans include increasing the volume of international cargo transported by rail, which produces less CO_2 compared to road transport.





Conclusion

Tajikistan has great potential to develop green transport corridors. This will help improve the economy, public health, and environmental conditions. However, international cooperation and support are essential to ensure the success of these initiatives.