

National Freight Transport Decarbonization Priorities and Barriers

Ministry of Transport and Communications of the Kyrgyz Republic

The current situation of road transport in the Kyrgyz Republic

Total number of registered vehicles – 1,5 million

passenger cars – 1,1 million

Freight transport – 200 thousand

Buses – 40 thousand

Number of passenger carriers – 235

Number of freight carriers – 170

In order to create favorable conditions in the international market of road transport services, the Kyrgyz Republic has concluded 22 bilateral intergovernmental agreements on international road transport.

Transport routes passing through the territory of the republic are integrated into the network of international transport corridors, providing international freight transportation with neighboring and distant foreign countries. Of the six priority and competitive transport corridors of the Central Asia Regional Economic Cooperation (CAREC), four of them pass through the territory of the Kyrgyz Republic:
CAREC 1 - Europe - East Asia;
CAREC 2 - Mediterranean - East Asia;
CAREC 3 - Russian Federation - Middle East and South Asia;
CAREC 5 - East Asia - Middle East and South Asia.

Low-carbon transport in the Kyrgyz Republic

To decarbonize freight transport in the Kyrgyz Republic, the following steps have been taken:

- Zero customs duties have been established for electric vehicles
- Zero tax charges have been established
- There are zero registration fees
- Reduced electricity tariffs have been set for charging

Freight Transport Decarbonization Priorities

- Considering that the Kyrgyz Republic is a mountainous country and due to the inaccessibility of the country's regions, road transport is the main mode of transport in the Kyrgyz Republic. Thus, 95 percent of freight traffic is carried out by road, which makes up the bulk of the transport sector.
- The priority of decarbonizing freight transport is using low-emission, electric freight vehicles to transport goods within the country.
- Within the project "Reconstruction of the Issyk-Kul Ring Road",

the Ministry of Transport and Communications of the Kyrgyz Republic decided to use fully electric dump trucks as a pilot project for road construction work, without CO_2 emissions into the atmosphere. To date, the contractor has delivered 100 units of electric dump trucks to the site for the specified project. According to calculations, 1 electric dump truck travels 360 km in 1 working day, in total, all dump trucks will travel about 36,000 km in 1 working day, thereby reducing harmful emissions.








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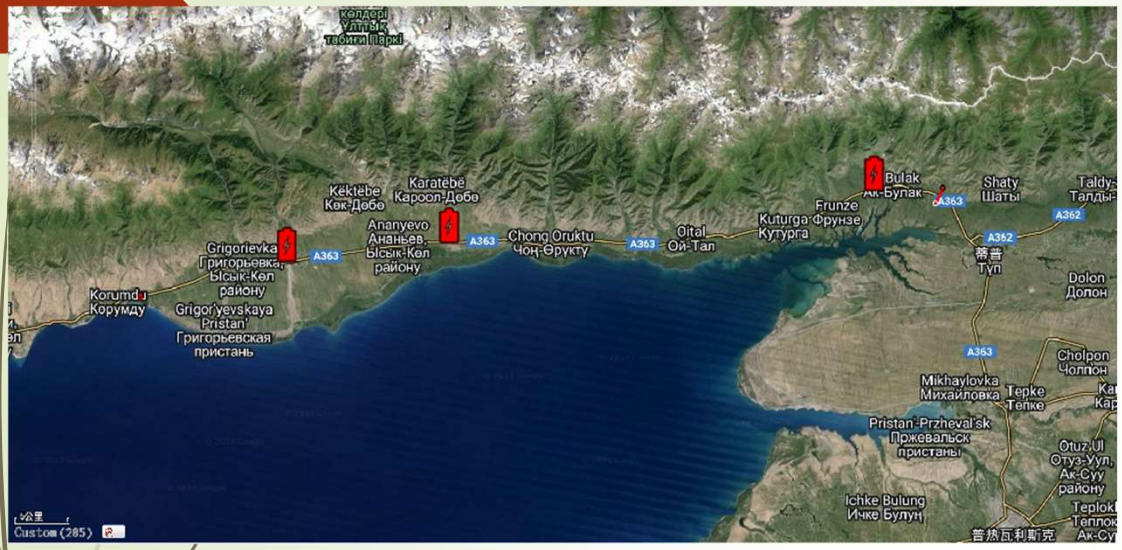
Charging stations





Three charging stations have been built, of which one is central and performs about 65% of charging operations. There are 11 chargers installed at this station, which allows up to 60 electric-powered dump trucks to be charged daily. The chargers have 320 kW power, are cooled using an air system, and support two control methods: manual and via the network.



BARRIERS



- High cost of electric transport



- A limited number of charging stations, especially in the regions of the country



- Lack of financial mechanisms for long-term financing of the purchase of electric transport

Thank you for your attention