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Metropolitan, underground (French mytropolitan, literally - metropolis, from the Greek metropolis - the main city, the capital), city train on the street for high-speed mass passenger traffic. The metro is characterized by large capacity, controllability and high speed of trains. Metro lines can be underground (in tunnels), underground and elevated (in viaducts).

Every day, 155 million people around the world use metro services. The subway is a type of reliable urban passenger transport with high speed passenger transport. Today, the metro plays a key role in the transport infrastructure; Without it, it is no longer possible to imagine the daily life of the metropolis. The main activity of the metro is to transport passengers. Metro also offers additional services:

- Car services;
- Premises rental services;
- Services for the sale of land transport tickets;
- Advertising services (advertising in stations and metro cars).

The metro is fast, reliable, convenient, environmentally friendly, but the most energy-intensive mode of transport. A lot of fuel is burned to generate electricity, which obviously does not improve nature. The very operation of the subway is associated with environmental pollution: emissions into the atmosphere from repair facilities, boiler houses in the electric depot, painting, pollution of groundwater and surface water

with heavy metals and oil products. New formulations are currently being developed to reduce energy consumption by 30% and do less harm to the environment. For these purposes, their speed has been reduced from 100 to 70 km/h.

Now it is impossible to imagine in megacities without modern, high-speed and economical transport - the subway. But even now there are countries in which this is absent

There is no metro in: Abkhazia, Afghanistan, Albania, Bangladesh, Bosnia and Herzegovina, Brunei, Vietnam, Greenland, Iraq, Iceland, Yemen, Kazakhstan, Cyprus, Cuba, Estonia. There are subways in 53 countries of the world, 183 subway systems in total [1].

Work on the construction of the metro in Minsk began on May 3, 1977. Then, in 1984, the first line was tested, by the station (from Moskovskaya to the Institute of Culture), and long of 8.6 km. The station should be placed at a height of 10-12 meters, so the ground water with a single speed requires the introduction of new technologies for soil stabilization.

The Minsk metro operates 72 trains (five cars each), which serve two depots. The track gauge in the Minsk metro is 1520 mm. The current is supplied through the third contact rail. Since the Minsk subway is not deep, only 9 stations are equipped with escalators. There are three metro lines in total in Minsk. It's planned to build a fourth line, which will consist of 17 stations, 25.4 km long. The route of the line duplicates the second motor transport city ring. The line will intersect with the first, second, third metro lines. The construction of the fourth line will make it possible to: finally solve the issue of unloading the interchange hub between the first and second lines, to implement the concept of creating transport interchange hubs between all types of urban and suburban transport.

All lines and stations of the Minsk metro are underground, shallow. All stations have underground

vestibules, the entrance to which in most cases is combined with under-street pedestrian crossings. Three stations - "Kupalovskaya", "Oktyabrskaya" and "Lenin Square" have entrances built into the buildings. From the last of them, through underground passages, there are also exits to the building of the railway station and to the railway platforms. The Minsk metro is open for passengers from 5:30 am to 1:00 am — the first train from the final stations leaves at 5:33 am, the last one at 1:02 am. The traffic interval during rush hour is 2 minutes on the first line and 2:15 on the second.

As of 2021, the Minsk Metro ranks 2nd among 14 metros of the CIS countries in terms of the number of passengers carried per kilometer of lines [2].

References:

1. Metropolitan [Electronic resource]: – Mode of access: https://metropoliten.by/o_metropolitene/ – Date of access: 02.04.2022.
2. Metropolitan [Electronic resource]: -Mode of access: <https://undergroundexpert.info/metropoliteny-mira-i-rf/metro-mira/>.- Date of access: 02.04.2022.