In Nizhny Novgorod, a pilot project was launched to use artificial intelligence (AI) for managing public transport. The development of NTECHLAB analyzes the passenger flow and helps dispatchers quickly respond to changes.

The system works at 300 city stops, where cameras with computer vision algorithms calculate the number of awaiting passengers. The neural network identifies crowded stops and the most loaded routes, automatically notifying the dispatch center. This allows you to timely increase the number of transport during peak hours.

As the developers explained, the technology uses impersonal data, which meets the requirements for the protection of personal information. The information received helps optimize the movement of buses, trolleybuses and trams, reducing the waiting time for passengers.

According to NTECHLAB CEO Alexei Palamarchuk, several other cities have already shown interest in the system. The company is preparing to launch similar pilot projects in new regions in the near future.