THE INVESTIGATION OF THE POSSIBILITY OF USING URBAN ELECTRIC TRANSPORT IN KHARKOV DELIVERY SYSTEM

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Lately Ukraine has faced the problem of delivering goods. Truck's movement restriction, urban infrastructure and other factors influence on cargo transportation. Thus, there is a need to find new technologies in order to make the process easier.Many countries have been using urban freight rail transport to deliver goods for a long time. Unfortunately, this technology has not been used in Ukraine yet. City of Kharkov has everything necessary to replenish the rows of such cities.

There was chosen the tram route No. 7 and considered the decision of buying special trams in order to consider the possibility of introducing freight rail transport. CarGo Tram is a modern freight tram which was created by Volkswagen for cargo transportations in cities. This transport uses the same infrastructure as passenger tram. The technology involves the loading of a tram at the warehouse (Depot), then goods are loaded into five ton trucks at the points of overload and delivered to the destination points. There were selected points of goods sale, trucks, calculated the shortest distances and found such indicators as: time of loading and unloading operations, one-way movement time, full-way movement time, time on the route, time on the line and time of movement with cargo.

Based on the received calculations, transportation of goods by urban electric transport is possible only at night. At the moment, this technology requires more time for the transport process than road transport. But at the same time, it has many advantages and deserves more detailed study.

ЩОДО ІНТЕЛЕКТУЛІЗАЦІЇ СИСТЕМ МІСЬКОГО ПАСАЖИРСЬКОГО ТРАНСПОРТУ

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Інтелектуальні транспортні системи – це більше ніж передові технології. Це системні зміни направлені на надання різних інноваційних послуг для різних видів транспорту, досягнення стійкої мобільності через підвищення ефективності, безпеки та екологічності транспорту.

Впровадження ІТС у міські пасажирські перевезення дозволяє як у найближчій перспективі, так і у подальшому вирішувати цілу низку питань: облік пасажиропотоків, прозорість економічної ефективності