

Summary

THE OPTIMIZATION OF DISTRIBUTION PROCESSES IN HISTORICAL CITIES ON THE EXAMPLE OF THE CITY OF GDAŃSK

Distribution of goods in urban areas is one of the most important factors affecting the operation of the region, but the management of these services is often overlooked by transport policy makers in Polish cities. Historical buildings create additional difficulties, because they make the infrastructure development impossible.

It is estimated that in large European cities approx. 25% of CO₂ emissions, 30% of nitrogen oxides and 50% of particulates from transport is emitted by trucks and vans. The doctoral thesis presents the methods used to optimize distribution processes in cities with historic buildings in Europe and in the world. It also presents the results of a research carried out in the Old Town of Gdansk and proposes a method to optimize distribution processes for the area, which was the main objective of the work. The hypothesis of the trial has been formulated as follows: locattion of Urban Consolidation Center not distant from the center of the City of Gdańsk, would bring tangible benefits for the city and all users of the urban space. The study used a method of analysis and criticism of literature; detailed study of a particular case and the method of observation.

According to the design model, the proposed solution will bring tangible benefits to all users of space - residents, businesses and city authorities. There results of tests carried out on account of this thesis was provided to the city authorities.

