

PASSENGER TRANSPORT RATIONALIZATION IN THE SZCZECIN - ŚWINOUJŚCIE LINE

Summary

Passenger transport which satisfies the transport demand between Szczecin and Świnoujście is currently realised with the use of land and water means of transport. Using land transport, the route from Szczecin to Świnoujście can be travelled via PKS bus, van or train.

It results from an analysis of the course of the route and the operating parameters of the above mentioned means of transport that we can travel from Szczecin to Świnoujście the fastest by van (90 min) and the slowest by a regular PKS bus (150 min). A regular train, at a regular speed of 58 km/h, will cover this route in 120 min.

With respect to the frequency of connections, the van is preferable (15 connections daily) and with respect to passenger capacity, the train (120 seats).

The price of regular transport via land transport means is uniform and is 15 PLN. With comparable travel parameters (speed), the price of transport services for water transport means is several times higher (50 PLN), but the time of reaching the destination is the shortest (75 min).

At present, on the Szczecin-Świnoujście route, in water transport, a hydrofoil is utilised, the name of which is Bosman Express. The operation of this hydrofoil requires favourable atmospheric conditions.

The innovation suggestions refer to the replacement of the currently used hydrofoil with a unit from the so-called high-speed ships, such as a catamaran or a semi-submerged ship (SWATH). Both ship types are displacement and fast units (up to 74 km/h), and their operation is not dependent on good atmospheric conditions.

Due to their short time of transport and the attractiveness of the transport route from Szczecin to Świnoujście, passenger transport with new, fast units with high seaworthiness, they may be preferred, first of all, for the satisfaction of facultative transport needs.

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