

Water shortcut

Many European cities are divided by rivers, which generates communication problems. The most common solutions for the movement from one side to another are: bridges, tunnels, and ferries.

Fixed constructions, however, are expensive, sometimes even impossible to implement in the historic architecture and additionally have negative visual impact on the overall urban aesthetics. The solution proposed by this project is a transport system addressed for the historical city, but for pedestrians and cyclists only.

This project will facilitate city traveling, and autonomous boats will move at request, eliminating waiting time for transport. The system does not require a fixed-mount infrastructure, so it remains mobile. It may also be occasionally used

in places with heavy traffic. The final result of the project is to complement and diversify urban communication. The system is based on cyclical boat movement between the banks. Characteristically, this is the way that autonomous boats will cross the river. The idea is to use the energy of the river to partially drive the boats. This will help reduce the energy used for crossing. The size and quantity of units will be adapted to the needs of the city transport to best serve the passengers. The aesthetics of the units should also be adapted to the city architecture, but the functional layout of the passenger deck will be basic. Reducing travel and waiting time for transport encourages walking or cycling. Another advantage is the use of natural forces to reduce energy consumption •

