

Many European cities are divided by rivers. This generates communication problems. The most common solutions for the movement between the edges are: bridges, tunnels, and ferries. Fixed constructions, however, are expensive, sometimes even impossible to implement in the historic architecture and additionally having negative visual impact on the overall urban aesthetics.

The solution I propose 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 the request, that will eliminate waiting for transport.

The system does not require a fixed-mount infrastructure, so it remains mobile. May be occasionally used in places with heavy traffic. The final result of the project is to complement and diversify the urban communication.

The system is based on cyclical boat movement between the edges. Characteristically is the way in which autonomous boats will cross the river. The idea is to use the energy of the river to partially drive the boats. This will help to reduce the energy used for the crossing.

The size and quantity of units will be adapted to the needs of the city's transport to best serve. The aesthetics of the units should also be adapted to the city's 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 nature forces to reduce energy consumption. Additionally, the object can be a recognizable element of cities.