



Water Shortcut



Key Characteristics

Waterborne
Autonomous system
For pedestrians and cyclists
Transport on demand

Motivation

I live in the city through which many rivers flow, and that creates problems with the fast getting into some places in the city. Potentially nearby locations are available after taking long distances, because you have to reach the nearest bridge, which makes the road longer.

Objectives

Only for pedestrians and cyclists.
Eliminate waiting for transport.
Autonomous boats will move on demand.
The system is mobile.
The project is to complement the city transport grid.
The size and quantity of units will be adapted to the city's needs.
Use of nature forces to reduce energy consumption.
The object can be a recognizable element of cities

Methodology

Noticing the local problem

Search where else this problem exists

Search data, facts and research on transport development

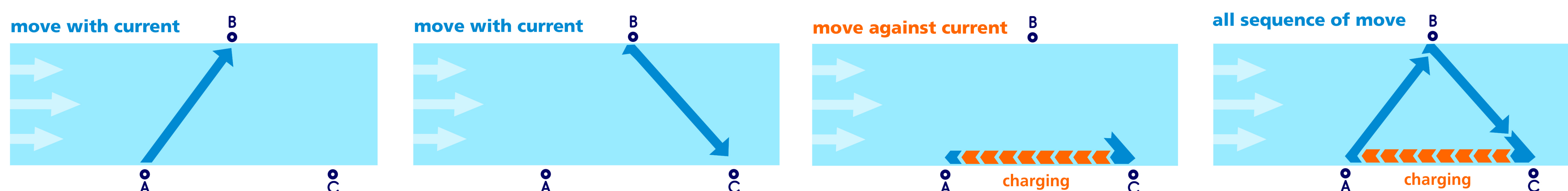
Study existing solutions and ideas

Study existing technology and developing technologies for the project.

Work on ideas and assumptions

Results

Object movement



Example of application on the river in Portugal, Porto



Research Outlook

Autonomous transport technology is still imperfect technology, but is rapidly developing and probably in a few years will be completely safe. It is necessary to test and choose the best solar panels, motors and accumulators. Also test and select the right solution for the best use of the river's power to drive the boats.

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