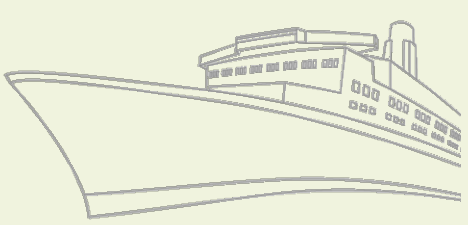


Chloris, An Alternative For Sea Transportation



Key Characteristics

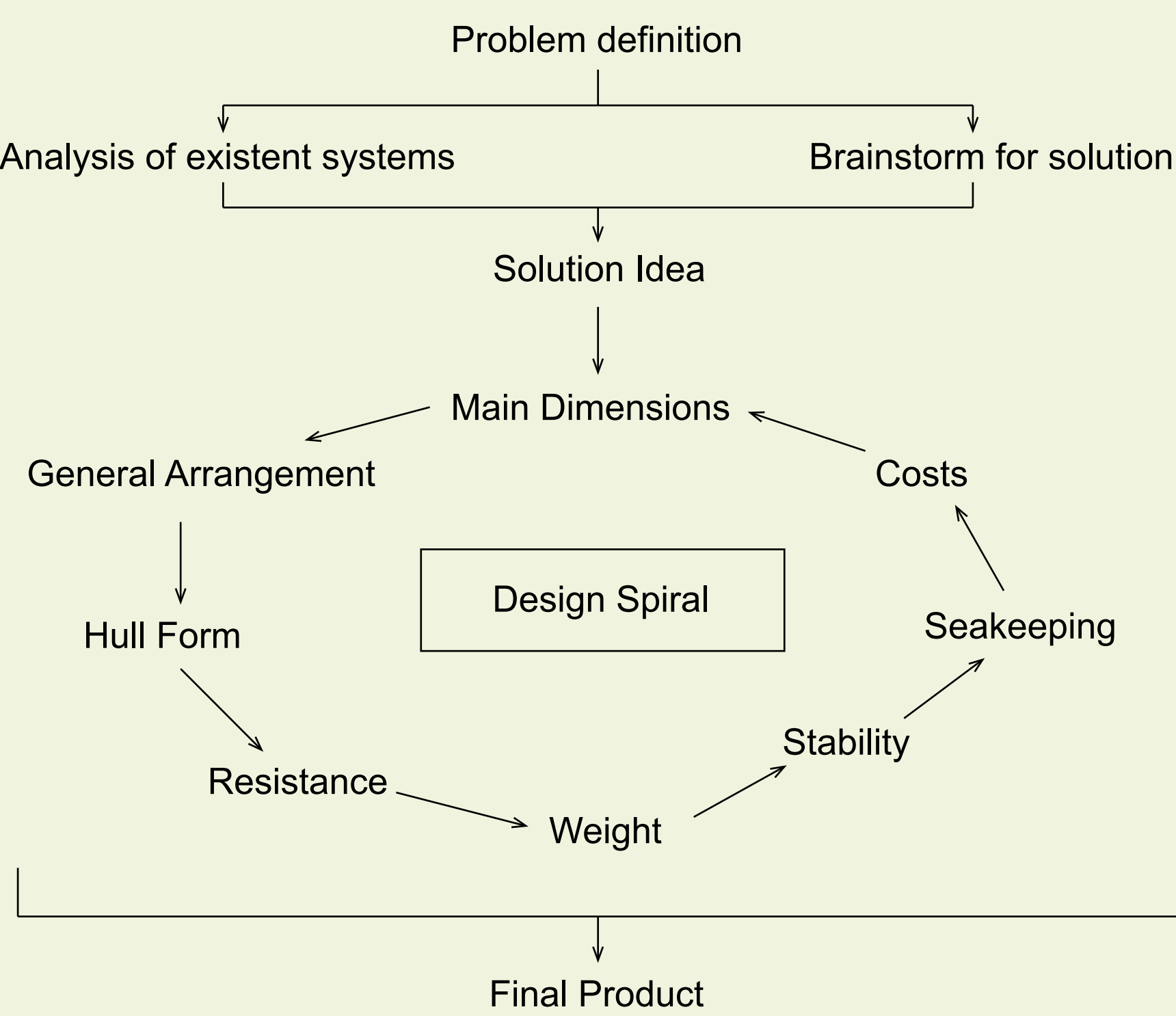
- Cost-efficient
- Flexible
- Rapid



Motivation & Objectives

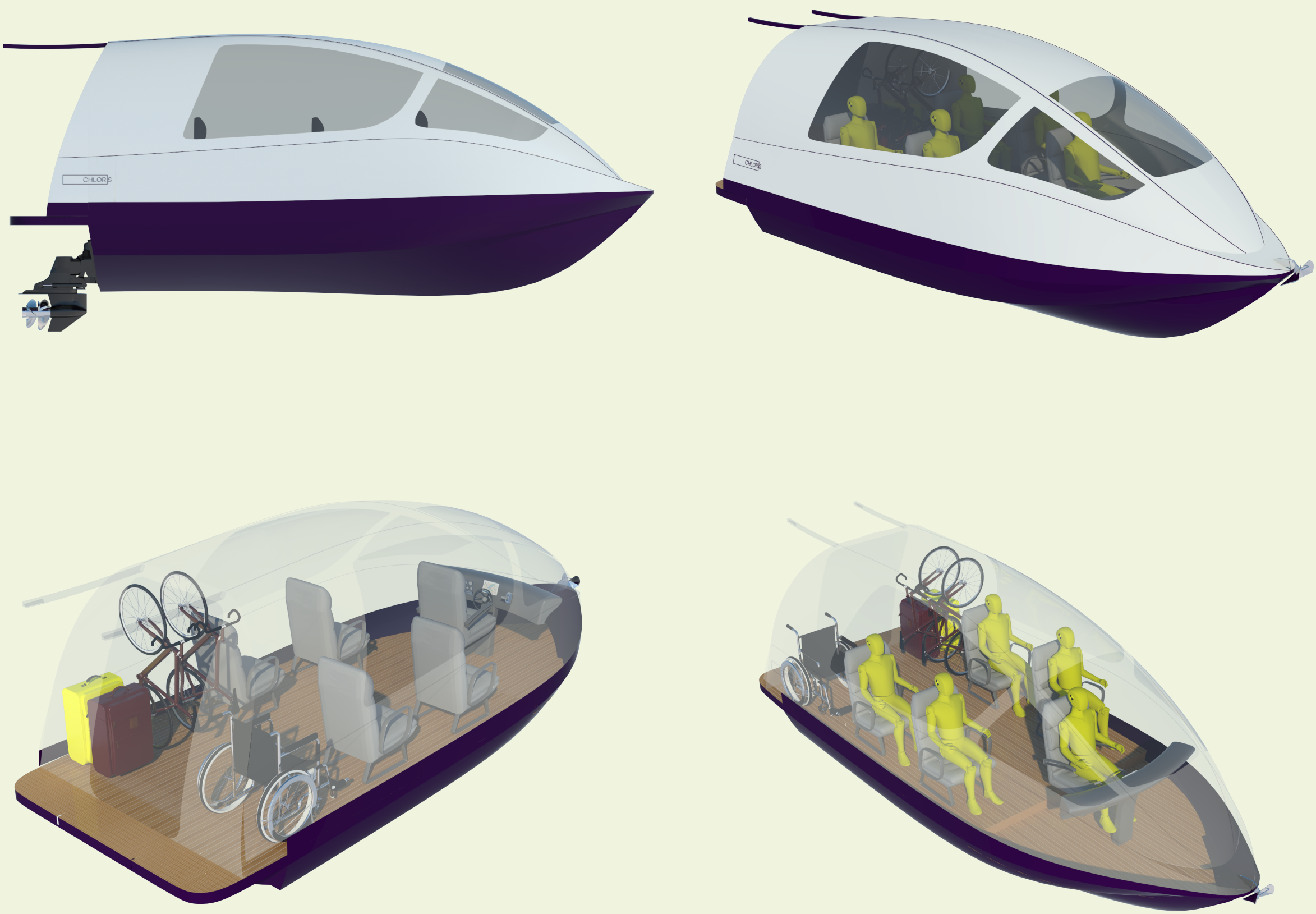
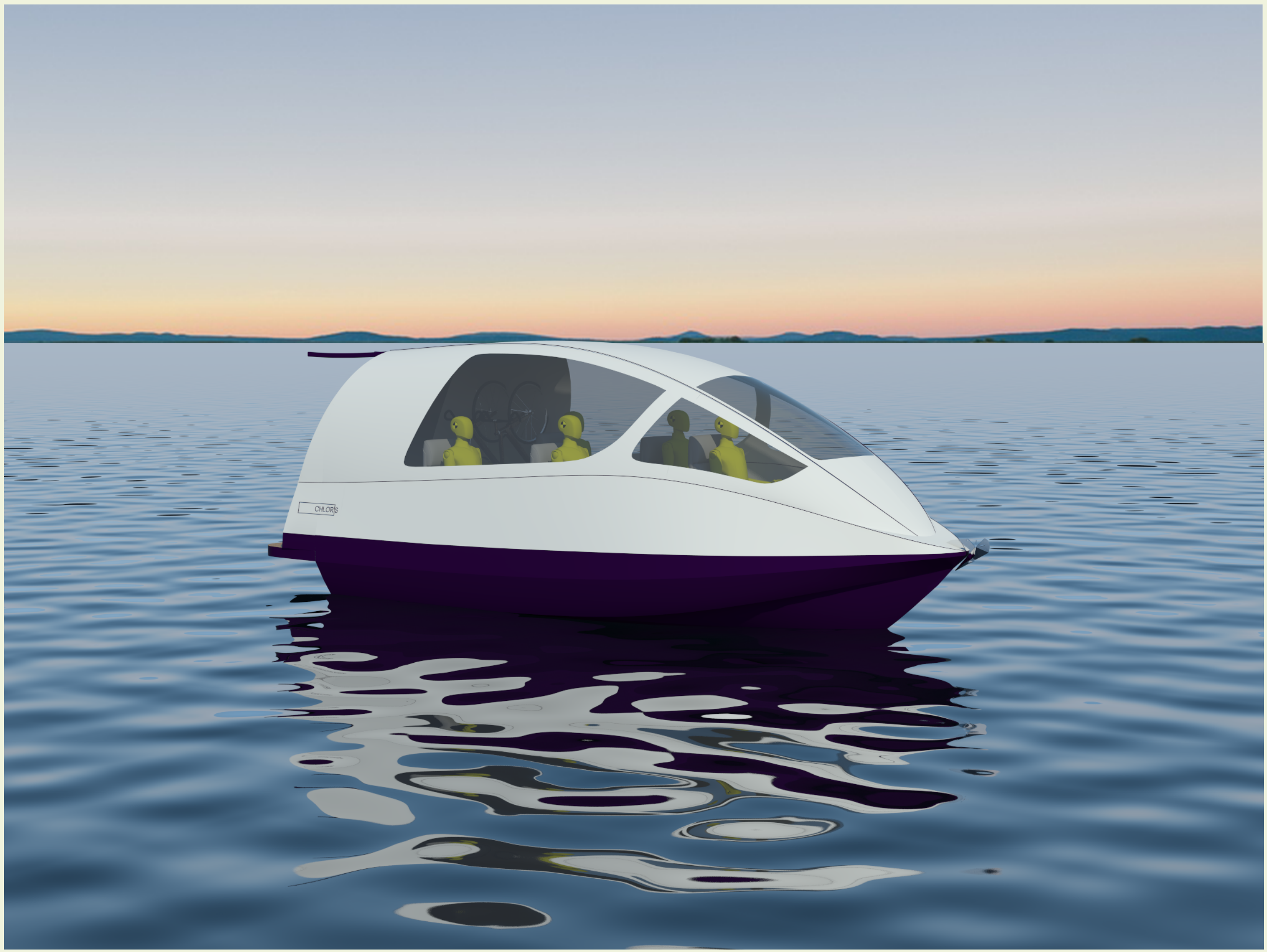
Chloris concept is based on a motivation that to create a sea transportation alternative for modern metropolises. Main objectives to create a cheap, flexible and fast alternative for current sea transportation systems with using existing technology in an environmental friendly and sustainable aspect.

Methodology



Results

- Aim of this study to design a vessel that can be an alternative for sea transportation of Istanbul with its flexibility, speed and low construction and operation cost. Most of the design parameters which are important to provide every specification for the outcome have been taken.
- Detailed route analysis was carried out to understand the necessity for this product for Istanbul. Different berths were examined to decide design restrictions. Different materials were surveyed to resolve production cost as well as the aesthetic.
- After the research phase concept and preliminary design stages completed. Shortcomings of the design were looked into.
- Cost estimation for production roughly and operation more detailed were made for the vessel.
- As a result of this study, flexibility goal was attained by vessel's overmuch inner volume and its adjustable gangway. Additional, speed target was reached by low displacement and planning hull form. Lastly, low-cost objective was provided by less horsepower need and cost-efficient materials. Briefly, main technical goals of this study were achieved.



- Consequently, despite some deficiencies Chloris concept can be an alternative vessel to Metropolitan's existing sea transportation systems.

Research Outlook

In further studies, enhanced structural calculation for manufacture, detailed market research, more professional cost estimation and a different upper structure design can be made in order to improve current project.

