

BOAT RACING

CATEGORY

TECHNICAL REPORT

BAKU 2025

Introduction

The preliminary evaluation report for the selection round intended for the Boat Racing category must be prepared based on the tasks listed below

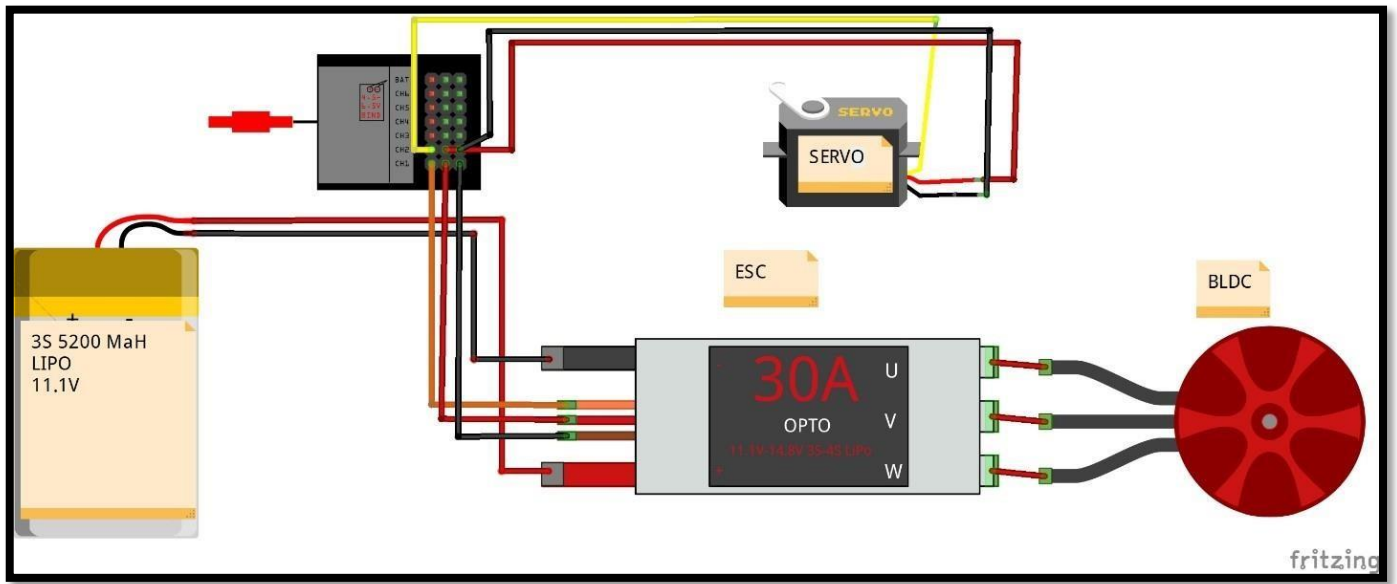
1. Team Information

- 1.1. Provide information about the team, as well as explain the roles and responsibilities of the members.
- 1.2. Describe the team's experience, achievements, and future plans.

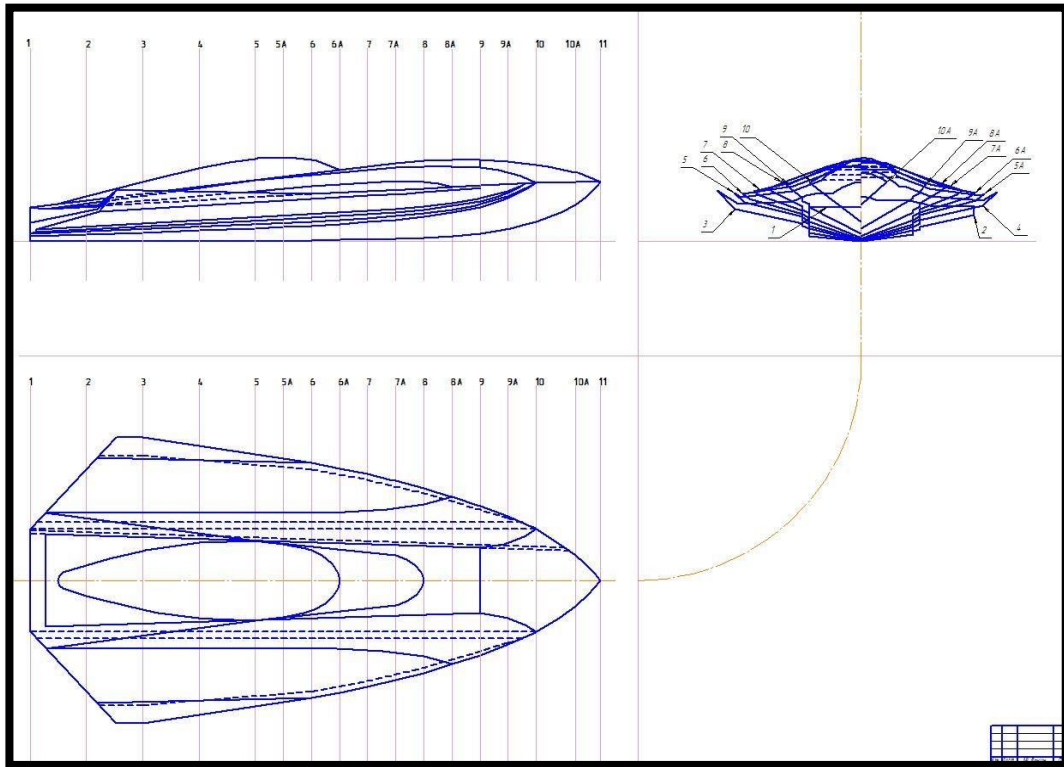
2. Project Information

- 2.1. Provide an explanation of the purpose and main features of your Boat Racing project.
- 2.2. Emphasize the advantages the project will offer to users and its innovativeness. (Design, speed, aero/hydrodynamics, energy consumption, etc.)
- 2.3. Specify the circuit diagram of the electronics and circuit to be used (You can build your own circuit in Fritzing, Tinkercad, Solidworks or other programs).
- 2.4. Present the electronic components you used (**the elements shown here are conditional**).
 - Servo motor 5V
 - 30A ESC
 - Brushless motor
 - Flysky receiver
 - 11.1V mAh 3S LiPO battery
- 2.5. Explain the functions of the electronic components, how they are connected to each other, circuit diagrams, operating principle, control mechanism, and usage procedures.
- 2.6. The preliminary evaluation report file must be sent in **PDF** format.

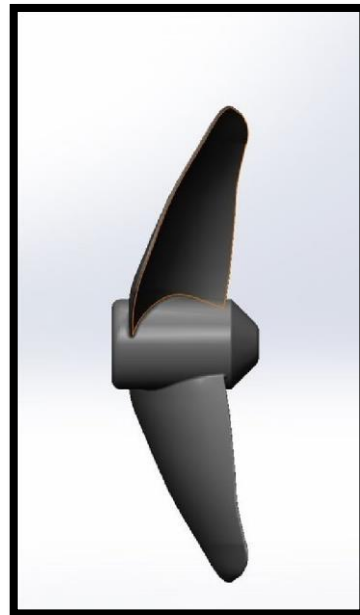
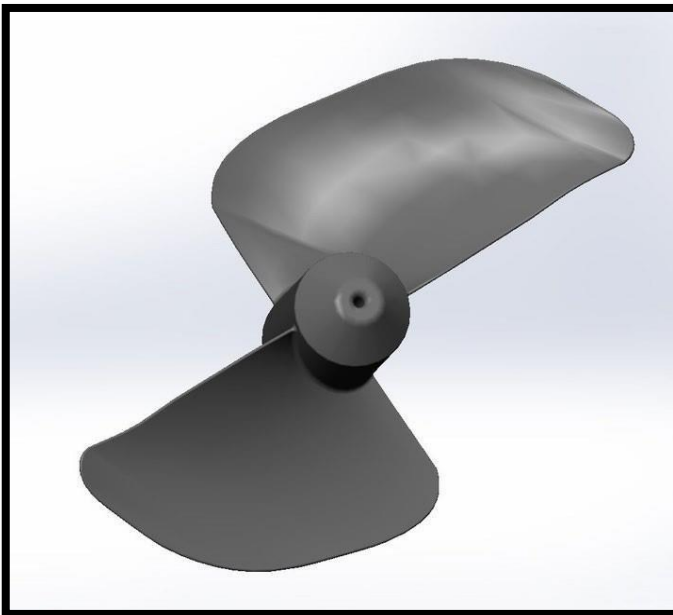
Note: Familiarize yourself closely with the rules. To maneuver comfortably with the boat in the race area you will be given, the correct design and speed must be chosen.



Electronic circuit



Drone design



Propeller design