

General Rules

1. Tests

A. Race 1: The speed race

Boats will sail between two buoys (start/finish line) and then sail around two other buoys before returning to the start/finish line.

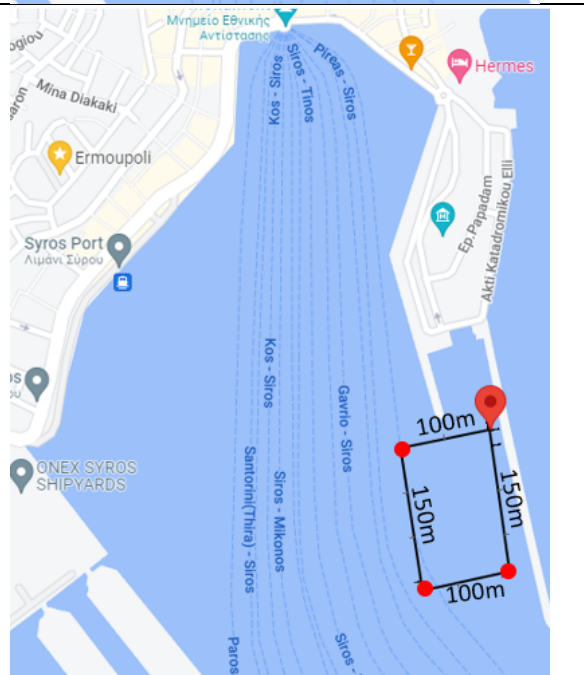
- The aim of this race is to be the first to cross the finish line.
- Scoring: 10 pts max. First to finish scores 10 pts, second to finish scores 9 pts, etc.



B. Endurance/Last one standing

Boats will sail around the 4 buoys (passing through 10 meters inside the buoy is fine) for as long as they can stand.

- To demonstrate the boat's endurance and ability to go the distance.
- 10 points maximum. The last one standing gets the most points.

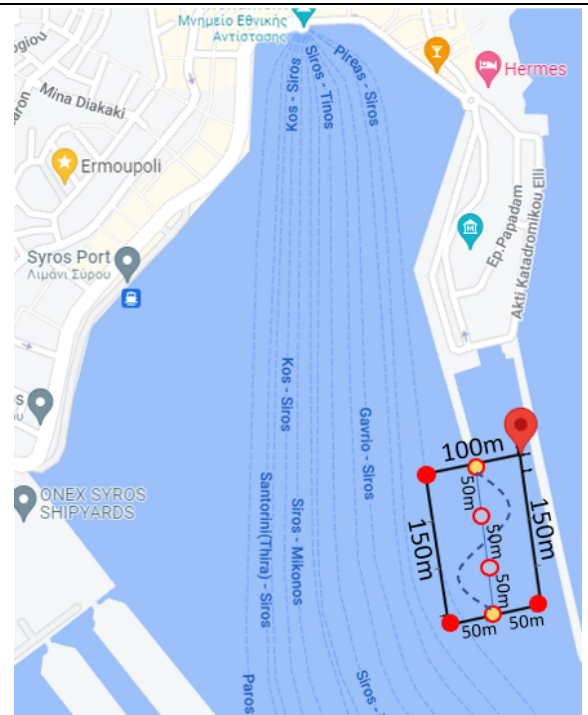


C. Race 3: Don't crash (Collision Avoidance)

Demonstrate a successful autonomous collision avoidance system. The boat will start between two buoys and sail autonomously to the finish line.

Between the start and finish line there will be random buoys to be avoided.

- Scoring: 20 points maximum for the fastest finish, second 19 points, etc.
- 2 points deducted for each collision.



2. Construction and construction materials

- There are no restrictions on the construction kit, materials and components (sensors, probes, probes, etc.) to be used.
- The only restriction is that the robots must be assembled and programmed by the participation team.
- Fully assembled robots are excluded.
- The boats must be $\leq 2,5$ m in length.

3. Electronics and Sensors

- All control circuits, sensors and power sources must be parts of the robot.
- The robot shall be fully autonomous during the test.
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- All control circuits, sensors and power sources shall be parts of the robot.
- The robot shall be fully autonomous during the test.
- The robot cannot be controlled by any external device, for example an external PC connected to the robot either by cable or wirelessly.
- Participants are not allowed to use any equipment to communicate with or assist the robot after the start and during the test.
- There are no restrictions on the type, manufacturer, number, and dimensions of the sensors.

4. Obligations of Participants

- Teams must prepare and have all the equipment, software and laptops needed for the competition with them during the connection.
- Teams must have sufficient equipment with them. Even in the event of accidents or malfunction of equipment, the Council and the organizing committee are not responsible for its repair or replacement.

- There is no limit to the number of people who can participate in each group.

5. Tie

- In case of a tie, the test is repeated.