

GPS/GLONASS control system for yacht racing competitions

⚠ Challenge

[The Cruising and Racing Yacht Association](#) is a regional public fitness and sports organization in St. Petersburg. The association strives to popularize the cruising-racing class of yachts.

While holding water competitions, the organization faced some problems:

- Lack of a single service for receiving the necessary information and tracking the location of yachts during the competition.
- Spectators could not keep track of the competition if yachts were not in sight or if a spectator could not arrive at the venue.
- There were controversial moments when determining the winner.

🔧 Solution

The Wialon partner, [Geoservice](#) from Russia, offered a [flespi](#)-based solution that enables yacht tracking in real time.

- They developed a [special monitoring service](#) and integrated it with the association's official website. The service is a live map showing the location of competing yachts, their routes, speed, up-to-date weather information, etc. Now, anyone can track the movement of regatta participants during the competition.
- Sailing yachts were equipped with [Teltonika FMB202](#) water-resistant trackers, which ensure the transmission of GPS data to the system.
- Within the solution, flespi is [responsible](#) for consolidating telematics data and transferring it to the interface using [REST API](#).

🏆 Results

The Geoservice specialists developed a single solution that allows the competition organizers and participants to receive online information on the regatta's progress.

✔ Safety

The system monitors the position of yachts. In the case of force majeure, competitors can get assistance quickly.

✔ Availability

Anyone can track the competition's progress on the online map.

✔ Accurate data

Data on the location and routes of yachts eliminates disputes about the competition results.

Company profile

🏆 **IoT project of the year nomination:** Security personnel

Industry: Water transportation

Solutions

 flespi

Hardware

 Teltonika FMB202

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