wialon

Monitoring the water delivery service using telematics

PROBLEM

ŞirinSu is a drinking water treatment and distribution company in Azerbaijan. The client pays attention to the automation of processes – thanks to this, they manage to deliver orders made before 3 p.m. on the same day, which is an important advantage for clients.

The next step for the client is taking control of the vehicle fleet.

• It was necessary to prevent the vehicle from driving outside certain zones – it was required that the cars were used only for specific tasks.
• Since the customer delivers orders on the same day, the chosen solution needed to work with delivery zones dynamically.
• The client has his own CRM, and the selected solution must interact with it, linking the vehicles to orders.

SOLUTION

A+A Security has implemented a telematics-based solution for the client.

• GPS trackers were installed on each vehicle. Trackers transmit location data to Wialon, a GPS monitoring platform.

• The integrator has implemented an individual solution using Wialon API and CRM API. For the vehicle, the order data (customer name, coordinates) is transmitted from the CRM. A geofence is calculated based on the coordinates, beyond which the vehicle will not be allowed to leave. The calculated geofence, customer points (round geofences), and a notification informing the dispatcher about leaving the allowed geofence are created using the API on the Wialon side.

• In addition, the solution provides a set of tools for flexible work with geofences, groups, notifications. It not only notifies the dispatcher of violations but also provides statistics for reporting and analysis.

Additionally, the admin panel has been implemented to control such parameters as the list of vehicles, the color of geofences for each car, notification texts, and much more.

COMPANY PROFILE

COUNTRY: Azerbaijan

**IOT PROJECT OF THE YEAR NOMINATION:**
Local deliveries

BUSINESS SPHERE:
Local deliveries

**MONITORING UNIT:**
Freight vehicle

RESULT

The chosen solution allows to optimize and control the water delivery processes, to use resources more efficiently, as well as to monitor the direct operation of the vehicles regarding the rest of the client's IT infrastructure.

In the future, it is planned to implement control of visits to each of the scheduled customers, tracking suspicious stops, displaying all customers on the map.
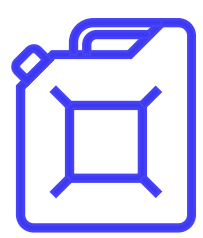
FUEL ECONOMY

Thanks to online monitoring, unauthorized trips are ruled out, and fuel is only spent on scheduled deliveries.
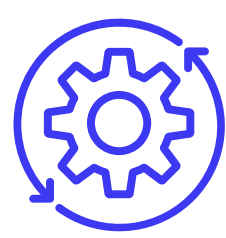
INTEGRATION

Thanks to the integration with the client's CRM, the telematics solution is built into the customer's processes – the transfer of data from the CRM to the tracking platform is automated.

CONTROL

Any exit outside the zone of a specific order will be immediately visible – and it can be stopped by contacting the driver.

OPTIMIZATION

By using the solution, managers and dispatchers can more efficiently distribute delivery tasks.

IMPLEMENTED PRODUCTS

WIALON HOSTING