

Cold chain fleet management for a pharmaceutical company

⚠ Challenge

R-Pharm develops and manufactures pharmaceuticals. The company has several regional offices and its own fleet of more than 100 vehicles for transporting medicines.

R-Pharm wanted to connect the entire vehicle fleet to the monitoring system in order to:

- control the temperature during the transportation of medicines and ensure compliance with international standards;
- set up a control system for all the vehicles;
- respond quickly and efficiently to emergencies, for example, a breakdown of a refrigerator.

Since 2019, the company has tested various monitoring systems, but pilot projects have been unsuccessful.

✦ Solution

The solution offered by the ALFA TELEMATICS integrator solves two main tasks. First, it creates a system for monitoring the temperature and operation of the refrigerator during transportation. Secondly, it allows you to customize the fleet operation system thanks to end-to-end analytics on fuel consumption, data on vehicle movement along the route, driver identification, etc.

At the first stage of the project, the integrator installed several types of devices for each vehicle:

- [iQFreeze thermostat](#);
- [Galileosky tracker](#);
- TKLS fuel level sensor by [Technokom](#);
- door opening sensor;
- tachograph for downloading data from driver cards.

Proprietary protocols have been developed for each type of technology using EasyLogic. Now equipment of any type and any brand can be connected to the CAN bus.

Wialon generates operational and summary reports on key indicators (fuel consumption, mileage, refrigerator condition, etc.) based on the received data.

For critical parameters, including the technical condition of the equipment, the integrator set up notifications of different types for various customer departments.

🏆 Results

The customer was pleased with the ready-made solution that allows them to control the entire transportation process of medicines. The plans include the integration of the solution with other R-Pharm systems.

✓ Complete product transportation system

Following the world's best practices.

✓ Used to deliver COVID-19 vaccine

In the hot market conditions and the lack of carriers who are ready to comply with the requirements for the transport of the vaccine.

✓ A universal solution for any vehicle

The customer can use absolutely any type of vehicle – from small-tonnage vans to tractors, and all of them can be connected to a single monitoring system.

Company profile

🏆 **IoT project of the year nomination:** Cold chain transportation

Industry: Long-haul transportation

Solutions

 Wialon

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