

# Pharmaceuticals transportation monitoring with Wialon in Sri Lanka

## ⚠ Challenge

A large logistics company from the South Asian region faced a problem of carrying and storing pharmaceuticals, which are very sensitive to transportation conditions. A Gurtam partner suggested using GPS fleet tracking systems Wialon to comply with the requirements of carrying such goods. [KLOUDIP](#) have already had a similar experience in [refrigerated transportation monitoring](#), so they solved the following tasks of the project successfully:

- to monitor the cargo location;
- to control every pharmaceutical consignment independently;
- to support temperature conditions both inside the vehicle and at the warehouse;
- to control the safety and integrity of the drug's packaging.

## 🔧 Solution

KLOUDID, a Gurtam partner and a provider of telematics solutions from Sri Lanka offered a complete solution consisting of the following components: **Wialon + Sensolator + EMS app + GPS tracker + temperature, humidity sensors and door opening detection hardware with vibration alarm option.**

- **Wialon** helps the carrier employees track vehicles in real-time;
- **Sensolator** from Gurtam is used to visualize data from dozens of sensors.
- **EMS app** is developed by KLOUDIP based on Wialon, and it is used by dispatchers to track their goods. Thus, different monitoring interfaces were created for the operator and the dispatcher.
- **Cellotrack Nano** from Pointer – wireless sensors of temperature and humidity are connected to this tracker, they collect all the data and send it to Wialon, where the operator registers any deviations. KLOUDID ensures a stable work of **16 Bluetooth sensors connected to a single device.** This allowed decreasing installation costs and avoiding cables pile-up in the back of the truck.
- **Temperature and humidity sensors, door opening detection hardware with the vibration alarm option** guarantee proper sealing of the unit and immediate actions if the cargo entity is violated, and help to support the required microclimate in the containers with medicines.

## 🏆 Results

More than 30 refrigerators are controlled with the help of Wialon. This allowed the large logistic company achieving the following results:

### ✔ Increase

The preservation of the expensive drugs increased during transportation due to temperature and humidity control, and door opening detection hardware with the vibration alarm option.

### ✔ Economy

Clients of the large logistics company don't lose money because of damaged or spoiled drugs anymore.

### ✔ Timeliness

Medications of the required quality are delivered to the consignee timely.

## Company profile

**Country:** Sri Lanka

**Industry:** Long-haul transportation

**Website:** [kloudip.com](http://kloudip.com)

## Solutions

 Wialon

## Hardware

 CelloTrack Nano

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