



# Improving transportation of mining site employees in Tanzania

## ⚠ Challenge

In Tanzania, Wialon's partner Rampart Security Services provides GPS monitoring services in multiple fields, including the mining sector. One of their clients, Isamilo, offers transportation solutions to companies with a fleet of more than 50 vehicles. Isamilo faced the following challenges in its business:

- **Delays in staff transportation to the mining site of a client.** When a corporate bus fails to pick up workers on time, and they are late to their shifts, it results in lessened productivity and financial losses for the employer.
- **Lack of strict speed control.** Isamilo, as well as its clients, are interested in preventing vehicles from exceeding speed limits in the predefined areas.
- **Night driving risks.** Night driving is forbidden on mining sites, but the rule is often neglected in practice, which needed to be addressed as well.

## ✦ Solution

The [Wialon monitoring platform](#) was offered to Isamilo as a turnkey monitoring solution that doesn't need extra apps to solve the company's issues effectively. The company conducted a PoC test on another project of a smaller scale first. After the attempt proved successful, Isamilo implemented the solution into the corporate transportation project.

- Isamilo uses [Teltonika FMB120 vehicle trackers](#) selected for their high-quality sensors and support of drivers' ID keys. ID keys are manually bound to each driver to check their performance, including speeding and compliance with the schedule.
- **The data from the trackers is sent to Wialon.** There, the parties can monitor vehicle speed and receive timely alarms (emails and mobile notifications) if a driver exceeds the imposed speed limits. The information about bus performance lets the companies take appropriate disciplinary actions.
- **If the bus doesn't arrive at the pick-up point on time,** the company's worker in the control room notices the fact on the map and contacts the driver to clarify the details.

Isamilo conducted **live training sessions** for the client's staff in charge of vehicle monitoring.

## 🏆 Results

Rampart Security Services offered Wialon to its clients as a full-scale corporate transport management solution. It was tested and, after demonstrating its efficiency, integrated into the company's activity.

As Isamilo's fleet contains public buses, the company is planning to use Wialon and NimBus to prevent delays in bus traffic.

### ✔ Efficient monitoring

Thanks to using Wialon, the buses are tracked every step of the way, making sure they drive according to the schedule.

### ✔ Time and cost-saving

Apart from timely transportation of employees to and from the job site, the mining company doesn't have to spend money on fines anymore.

### ✔ Safe driving

Both the carrier and the mining company avoid risks that arise in case of nighttime driving or speeding.

## Company profile

🏆 **IoT project of the year nomination:** Public transport

**Country:** Tanzania

**Industry:** Mining and processing

## Solutions

 Wialon

## Hardware

 Teltonika FMB120

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