

Eco Driving and Wialon prevents accidents and saves lives

⚠️ Challenge

Puma Energy faced a serious problem when the number of traffic accidents with their trucks increased. The company could not analyze the reason for traffic accidents because they used monitoring software with limited functionality. As a result, the company suffered enormous losses related to damaged vehicles and undelivered cargo (about \$150K per accident). People died as a result of tank trucks explosions and fuel ignition.

🔧 Solution

JW Services, a partner of Gurtam, has offered a complex [fleet safety solution](#), consisting of the following components:

Wialon API/SDK + GPS devices with the option to read CAN bus data + RFID tags and readers for driver identification + Eco Driving

- **CAN data** is used to evaluate the driving style. On-board computers send the information on speed, gear shifting, harsh braking, and acceleration to GPS tracking platform Wialon. Special attention is paid to speed: this parameter is taken both from CAN bus and a GPS device every single second to get the most accurate and reliable data.
- **RFID tags** and readers for driver identification – these devices are useful when drivers work in shifts or when vehicles are not assigned to a specific driver. An additional reader is installed into the car and connected to a GPS tracker, and a unique code is given to the driver.
- **Eco Driving app** was used for driver behavior control.
- **Wialon API/SDK** was employed to connect all the components together.

🏆 Results

✓ Road safety

increased, and casualties decreased

✓ Cargo

is delivered safe and sound

✓ 100%

Drivers' behavior improved

✓ Financial

losses on accidents were reduced

✓ The number

of car accidents with Puma Energy trucks was substantially reduced

Company profile

Industry: Long-haul transportation, Mining and processing

Website: pumaenergy.com

Solutions

 Wialon

 Driver behavior monitoring

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