

Rail transport control in the Middle East

⚠ Challenge

After the military and the political situation in one of the countries of the Middle East stabilized, the Railways faced a problem of restoring regular railway lines. When the railway lines opened again, some issues appeared, though:

- Trains' monitoring systems were damaged;
- Fuel thefts were often covered by the train engine's high fuel consumption;
- Trains' arrivals and departures were often delayed;
- It was essential to know the train's speed in the moment of accidents (that often occurred due to the absence of a special security barrier).
- It was necessary to be able to monitor the train's speed when passing the dangerous sections of the route (damaged bridges, for example).

🔗 Solution

Wialon partner, Integrated Solutions, offered to the Railways a complex solution with telematics products: GPS tracker [Galileosky Base Block](#) + [Escort Bluetooth](#) fuel level sensor + Wialon notification module + NimBus.

- A tracker and a fuel level sensor were installed into every train to receive data on fuel fillings, thefts, and the total amount of fuel consumed. Now all the data is sent to [GPS tracking platform](#) Wialon, processed, and automatically sent to responsible parties in the form of reports;
- To control schedule compliance, Wialon sends notifications to dispatchers in case of the trains late departures/arrivals, unauthorized stops, and arriving at a particular station;
- With the help of [Wialon SDK](#), the partner developed a customized interface to visualize data from each train in the form of charts; as for NimBus, it allows analyzing data through reports and, as a result, optimizing the work.

🏆 Results

✔ Control of fuel

and train speed consumption within different sections of the route

✔ Budget savings

and investing them in industry recovery and development later

✔ Reduced number

of accidents and expenses for them

✔ The growing attractiveness of the state

as a business-friendly country

Company profile

Country: Iraq

Industry: Railway

Solutions

 Wialon

 Public transportation management

Hardware

 Galileosky Base Block

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