

FREQUENTLY ASKED QUESTIONS

1. How does a Fuel-level Sensor work?

The Omnicomm LLS Fuel-level Sensor is designed to measure fuel levels in the vehicle's fuel tank as well as measuring fuel storage. The sensor is connected to any On-board Terminal reporting the measured fuel value. It is also possible to monitor and control fuel data using special software which allows the creation of different reports on fuel consumption, as well as flagging any usage violations.

2. Why is a Fuel-level Sensor better than any other fuel monitoring solution?

There are currently several ways to monitor fuel consumption. However, each of them has its drawbacks. For example, a standard floater does not have a high level of accuracy, while a CAN-bus has the so-called "dead zone" where the inaccuracy can reach 100 litres. Such methods of controlling fuel consumption rates, set by manufacturer or the company using the equipment itself, are unfortunately also imprecise. Consumption rates are usually inflated and, moreover, they do not consider vehicle load, driving style and road quality.

3. What is the economic efficiency of a Fuel-level Sensor?

An improved fuel monitoring system can save up to 30-40 % of the fuel costs. Such savings guarantee ROI within 2-3 months. With oil and fuel prices continuously rising, more and more companies operating fleets are thinking about reducing the fuel costs. By choosing appropriate fuel monitoring solutions, everyone benefits – fleet owners cut fuel costs while system integrators earn money.

4. Why is fuel control essential?

Fuel monitoring technologies have advanced significantly. With oil prices rising every year, it becomes essential to have fuel control systems in place. Especially this refers to companies operating large fleets. Logistics management tries to have the "right product", in the "right quantity", at the "right place". Fleet management systems with precise fuel monitoring solutions provide the necessary tools to optimise logistics and cut expenses. As fuel accounts for at least 30% of operating costs, fuel management is the most logical place to start in order to achieve operational efficiency.

5. Which industries require fuel monitoring?

Any company owning a fleet benefits from accurate fuel monitoring. Speaking about specific industries, fuel monitoring equipment is widely used in farming, logistics, construction and development, road building, mining. Commercial fleets for passenger transportation are also one of the main consumers of quality fuel monitoring equipment.

6. What is the algorithm for counting economy on fuel monitoring?

The basic algorithm is quite simple. Its objective is to count fuel expenses before installation and again after it. Then it comes to the analysis of fuel consumption with the help of a fuel level sensor. The activity of the fuel level sensor is analysed, in addition to fuel drain. Usually an average saving of 30% is achieved within one month. With fuel costs equalling, for example, 1 million dollars a month, even a 5 % saving makes a sufficient contribution towards cutting fleet expenses.