



# GREEN DRIVING SOLUTION

## INTRO

Growing world population and development of new technologies contribute to the growth in use of transport – more transportation is needed to carry people and goods, businesses like car sharing services, food delivery platforms, and e-commerce emerge and expand. Meanwhile, driving style is one of the factors directly influencing fuel consumption and vehicle life. If it is managed well, the saved costs can be used to strengthen a company and its competitive advantages.

## CHALLENGE

We all have our own driving style and most of the time we do not think much how it affects fuel and vehicle maintenance. Aggressive acceleration, harsh braking, harsh cornering and over speeding pose a threat not only to the driver himself but also to other road users. Besides, these cases of inappropriate driver behavior result in operational costs that otherwise can be avoided.

Inefficient driving produces more exhaust gas emissions, thus, increasing the negative environmental impact on our planet. Making cities greener is a serious challenge that countries have to deal with all around the globe.

No doubt, safety of people and cargo is an important aspect that must be taken into consideration and regarded as a top priority. So how can we improve our driving skills and discipline drivers?

## SOLUTION

Teltonika has got a solution – green driving functionality that collects data on acceleration, braking, over speeding, harsh cornering and no-load engine operation. This information is instantly analyzed. If the received values are beyond the set parameters, the device sends a command to the LED or Buzzer installed in the driver’s cab and alerts that he or she is driving inefficiently. The same information is also sent to a server for further analytics if required.

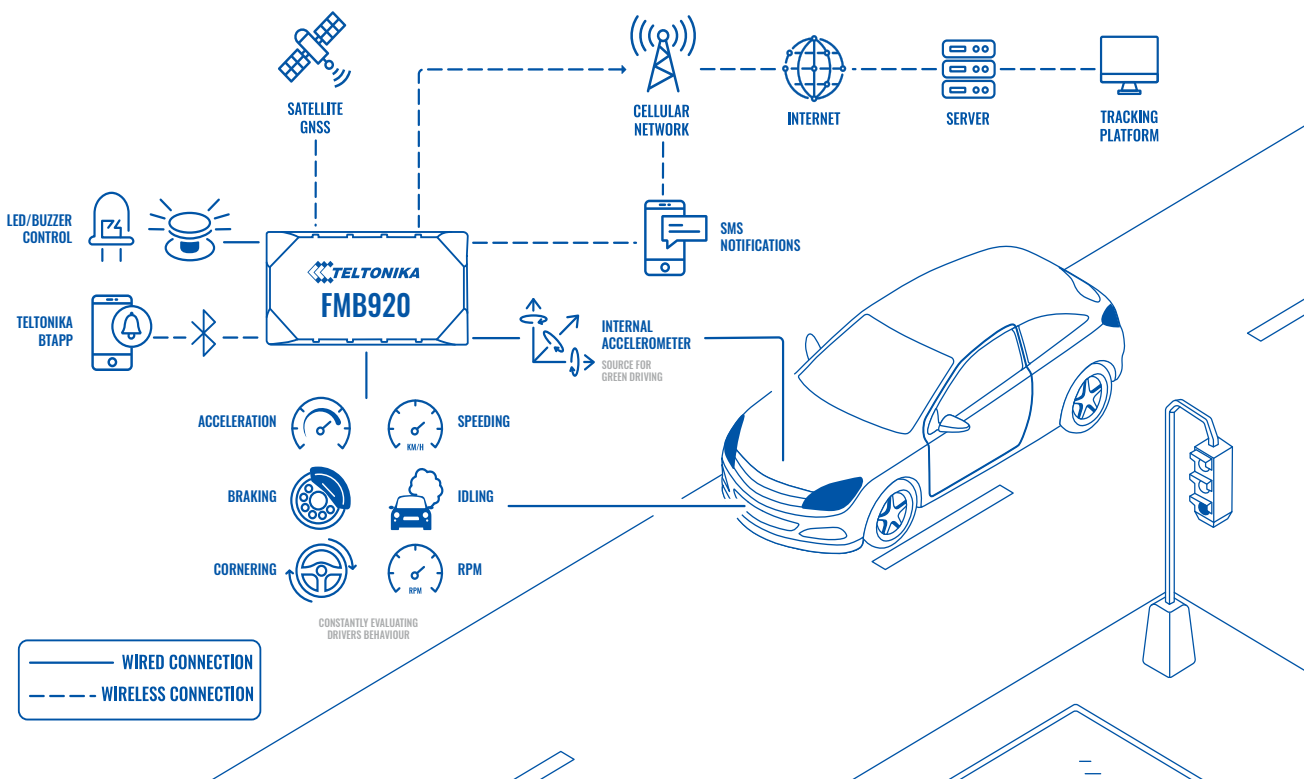
To make it easier for a driver to keep track of his or her driving style, we have a special application called BTAPP. Here, a driver can see the parameters monitored by green driving solution, switch between the private and business trip modes, and see the history of the trips. More details about BTAPP: <https://teltonika-gps.com/product/btapp-mobile-application/>.

To motivate drivers even more, there is a possibility to evaluate their driving scores and accordingly allocate salary or bonuses. Green driving solution is a very good example of how modern technology can help not only develop business, but also increase road safety and reduce negative impact on our planet. It is easily enabled and parameterized in our Configurator.

To experience the advantages of green driving solution, we recommend using tracker FMB920. However, it is good to know that this functionality is supported by all Teltonika vehicle trackers. In case of the driver alert function, please note that the device must have DOUT for this feature to work.

What is also important, there are two sources for Green Driving operation – GPS data and accelerometer. The desired one can be selected in Configurator. GPS data is pretty reliable and does not require any additional effort to make it work. On the other side, accelerometer data is more precise and ensures uninterrupted operation even when GPS signal is not available, for example, in tunnels or underground parking lots. However, in order to utilize accelerometer data correctly, the device has to perform autocalibration process, which is automatic, as the name implicates, but may take some time.

## TOPOLOGY



## BENEFITS

- Effective fuel consumption – achieved by minimizing harsh accelerations
- Reduced operational costs – saving fuel, tires and preserving suspension thanks to better driving quality
- Longer vehicle life – keeping your fleet in a good condition by reducing aggressive driving
- Increased road safety – less harsh maneuvers mean safer roads
- Cutting down exhaust gas emissions – smooth acceleration and maneuvering reduce engine load and, as a result, fuel consumption and gas emissions
- Enhanced cargo safety – responsible driving lowers the risk of damage to cargo

## WHY TELTONIKA?

Green driving solution offers many benefits and they can be enjoyed with any of Teltonika's GPS trackers. You can choose the most suitable device based on your additional requirements and network – besides our recommended FMB920 (2G), there are trackers for 3G, 4G (LTE CAT1) and CAT-M1 networks. Our intuitive Configurator makes it easy to select the right settings in alignment with the vehicle type, engine power and the customer's needs.

## FEATURED PRODUCT

FMB920

## RECOMMENDED PRODUCTS

FMB110, FMB120, FMB130, FMB140, FMB122, FMB125, FMB001, FMB010, FMB900, FMB920, FM3001, FM6300, FMB640, FMC640, FMM640, MTB100, FMB202, FMB204, FMB208, FMB964, FMT100

