



# ECO DRIVING AND FUEL MANAGEMENT SYSTEM

... reduce fuel costs, maximize the passenger-comfort and driver behaviour

THOREB's Eco Driving and Fuel Management System (EFMS) helps the driver to optimize his driving skills and thereby to minimize fuel-consumption and maximize passenger-comfort.

For this purpose THOREB created a device similar to a traffic light to help the driver improving his driving skills without losing focus on the traffic. The system registers when the driver uses the throttle too harshly and the comfortable acceleration limit is exceeded. The warning is made by lit indicators, from green to red, depending on severity. If the driver strives to always have the green indicator lit, both the fuel-consumption level and passenger comfort are in optimal balance. By changing colour from green over orange to red the driver can spot his driving behaviour at a glance and adapt it easily.

The driving behaviour gets automatically logged by the THOREB EFMS. Using 3G/4G communication, all data can be sent in real-time to THOREB servers and presented in a web application for remote vehicle diagnostics. Furthermore the data gets stored in a central data warehouse, where detailed reports can be extracted. With the THOREB Eco Driving and Fuel Management System it is not only possible to reduce fuel costs and maximize the passenger comfort, but also to improve efficiency and reduce the impact on the environment.

**THOREB**

## Fuel efficiency

The major factor influencing fuel efficiency is the driver. Improve driver performance and increase fuel efficiency with a LED box showing the driver feedback in real-time.

- Acceleration
- Retardation
- Gear selection
- Idling
- Coasting

## The Backoffice Tool:

- Performance analysis
- Detailed analyses of vehicle behavior
- Driver behavior
- Over time studies on both vehicle and driver behaviour
- Taking into account the daily activities of the operator
- Integrate with the operators traffic data to combine reporting based on the journeys and the different environments.

## Advantages

- ✓ **Instant feedback on the driving behaviour**
- ✓ **Intuitively easy to understand**
- ✓ **Reduced fuel consumption**
- ✓ **Less brake wear**
- ✓ **Increased passenger comfort**
- ✓ **Reports about the driving behaviour**
- ✓ **Easy to install at different places**

