

# E3 PTD

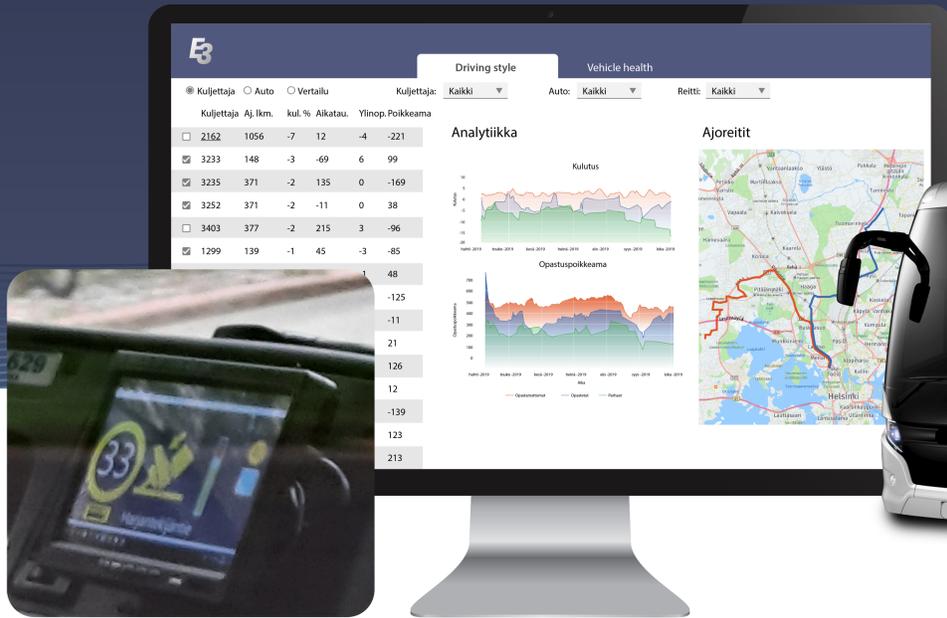
DRIVE SMARTER.

## Personal Trainer for Drivers

## Real time guidance for city bus drivers

E3 PTD guides for optimal driving on routes with multiple binding intermediate bus stop passing times. Eliminates the impact of different routes and vehicles on drivers measurable performance.

System detects the differences not only between the drivers but also between the buses.



### Remarkable savings

E3 PTD assists the driver in optimal driving. VTT, Technical Research Center of Finland, research and practical measurements prove 5% savings in energy consumption.

*\*Based on VTT: Technical Research Center 2013 RASTU- ja HDENIQ-researches.*



### Safety, reliability and driving comfort

Clear driver guidance. Better driving style is achieved on the same timetable. Speeding is reduced, safety is improved and the customer's travel experience is more pleasant.



### Better condition and availability

Improved driving style reduces collisions, small impacts and unnecessary wear and tear on the buses. A clear improvement in the sustainability and availability of the vehicle fleet.

#### Personal trainer



Driver's real time guidance for optimal driving profile on each route

#### Energy consumption



Detailed report on fuel consumption by driver and bus.

#### Driver feedback



Driver's feedback system helps to develop driving style. E3 PTD eliminates the impact of different routes and vehicles.

#### Route feedback

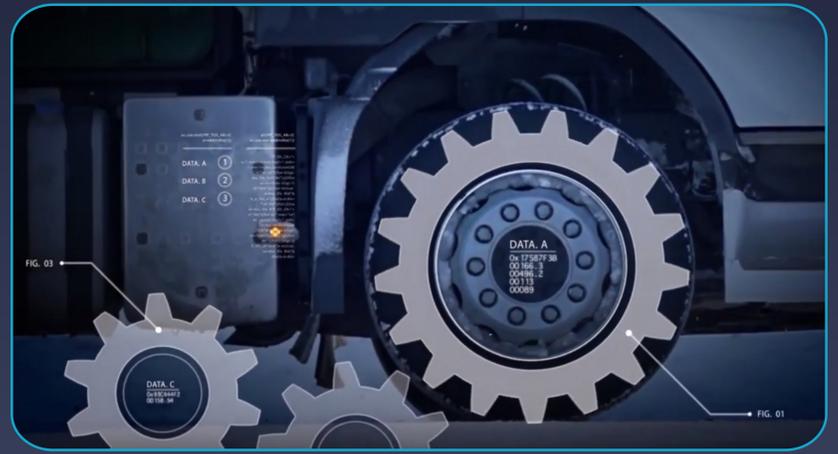


Detailed report of the route to optimize average performance, proactive driving style, as well as staying on schedule

**WE REVEAL THE BOTTLENECKS ON ROUTING AND SCHEDULING!**

# How E3 PTD Works?

- ▶ E3 PTD software runs on the E3 Blue in-vehicle computer, where it combines vehicle data with driver and external data such as route schedules.
- ▶ E3 PTD creates an optimal driving speed profile for each line.
- ▶ E3 PTD guides the driver to drive according to the optimal driving speed profile. E3 PTD keeps the driver on schedule economically and stress-free.
- ▶ E3 PTD reports the results of the driver's performance to the operator. Eliminates the effect of different routes, vehicles and other external factors such as weather, time of the day and weekday on the overall score.



**ALSO BUY E3 TIRE MONITOR**  
Monitoring the condition of tires and  
tire impacts in real time

## Bus

### Driver assistance in bus

- Dynamic real time driver assistance
- Visualized target speed
- Guided acceleration
- Slipperiness and pothole warnings
- Distance to next bus stop
- Passing times for the bus stops
- Driver feedback available, on request



*E3 PTD creates optimal driving speed profile for each route and guides the driver to drive economically, safely and on schedule. E3 PTD adapts to the schedule while driving.*

## Office

### E3 Live Web-user interface

- Consumption reports of drivers and buses.
- Route-specific consumption report: day, week and seasonal
- Driver schedule deviations and speeding
- Average scheduled deviations of the whole fleet on the route at each stop at every hour of the day
- Buses consumption comparison: Consumption where driver's influence is eliminated.
- E3 PTD takes into account seasons, rush hours, driving styles, vehicle types etc

### Operator can define automatic reports

- Bus-specific reports
- Driver-specific reports
- Parameters such as economy, driving style, accelerations, braking and speeding...

### Feedback for driver, on request

- Results to the driver can be given in a summary of the day and the entire performance history using the mobile application. The driver can improve his driving: economy, driving time deviations, reduction of speeding, success and improvement of driving compared with others.



## Contact details

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