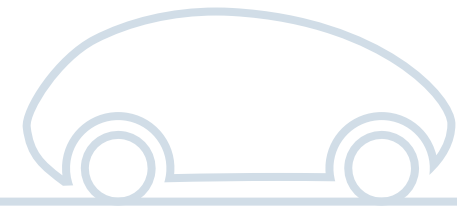


# PORTABLE EMISSIONS MEASUREMENT SYSTEM

## PEMS



N42° 06.13' W08° 37.05'

### CHARACTERISTICS

- ▶ Portable
- ▶ Data post-processing and fuel consumption and emissions measurement compliance:
- ▶ Rural, urban and motorway routes in compliance with RDE
- ▶ Commercial LDV OBD data access

### DATA ACQUISITION

- ▶ Exhaust mass flow and fuel consumption
- ▶ Emissions (NO<sub>x</sub>, CO, CO<sub>2</sub>, O<sub>2</sub>, PN)
- ▶ OBD vehicle data
- ▶ Weather conditions and GPS
- ▶ 4-20 mA / 0-10 V data acquisition channels
- ▶ Data acquisition rate 5Hz

### MEASUREMENT RANGE

- ▶ Exhaust mass flow: 6,9 – 930kg/h
- ▶ NO: 3000ppm
- ▶ NO<sub>2</sub>: 1000ppm
- ▶ CO: 8% vol.
- ▶ CO<sub>2</sub>: 18% vol.
- ▶ PN: 0-10<sup>4</sup> #/cm<sup>3</sup> (particle size 23nm to 200nm)

### SOFTWARE

- ▶ Live data streaming and route control
- ▶ Postprocessing in compliance with RDE

