

AWIA Vehicle

Fleet monitoring system







Description of the system

System **AWIA Vehicle** is not only a monitoring device, but also a modern tool supporting fleet management. It is an optimal solution used to coordinate logistical activities and work control.

AWIA Vehicle characterizes itself with a modular construction, possible to extend at any time of its exploitation. Configuration of the system and a scope of available functions, depends on Client's requirements and individual needs.

System AWIA Vehicle consists of the following elements:

- ✓ AWIA Locator LC a device installed on the vehicle, enables to distinguish vehicle's GPS location and its movement parameters – embedded GPS module enables data transmission from vehicle to the system,
- ✓ set of sensors,
- ✓ AWIA Vehicle Explorer application allows a user an access to the system via website browser - application's role is to display and present measurement data from devices installed on the vehicle.



Functionality

- ✓ Tracking vehicle's position on the digital map in real time
- ✓ Full information about a status of a given vehicle's work
- ✓ Fuel consumption monitoring
- ✓ Driver's work time monitoring
- ✓ Identification of private/business drives
- ✓ Full history of routes and stops
- ✓ Function of "a black box"
- ✓ Generation of reports and graphs

Advantages

- ✓ 24/7 access to online information
- ✓ Protection against data loss
- ✓ Decreased vehicle's exploitation costs
- ✓ Increased effectiveness of work organization
- Supervision over the timeliness of technical and warranty inspections and mandatory insurance
- ✓ Possible to obtain additional insurance discounts



Expandability

- ✓ Fuel probe enables precise measurement of fuel quantity in the fuel tank
- ✓ AWIA Terminal a device with a function of a sign terminal with a keyboard and LCD display, RFID card reader and peripheral devices driver
- ✓ AWIA Audio voice transmission module; enables communication between a driver and system's user
- ✓ AWIA RFID proximity card user; enables identification of the driver
- DALLAS chips reader- enables an alternative way of identifying the driver

- ✓ Printer enables printing, e.g. orders sent to the driver
- ✓ CAN diagnostics enables reading vehicle's work parameters form CAN bus
- ✓ Digital input/output module enables system's extension on the vehicle with additional digital inputs/outputs
- ✓ Analogue input/output module enables system's extension on the vehicle with additional analogue inputs/outputs
- ✓ Alarm remote control with a receiver can be used by the user of the vehicle to e.g. signal the attack



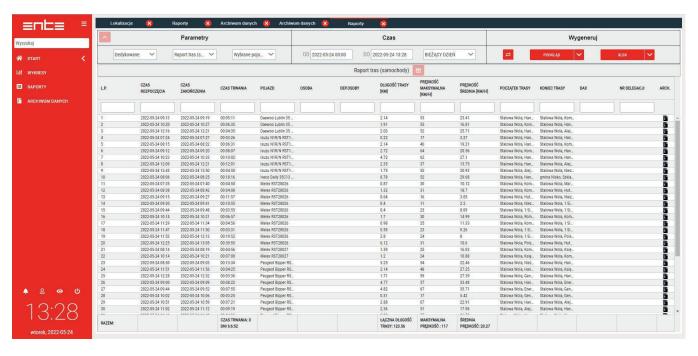
System architecture



AWIA Vehicle



An example view of the app - current localization



Example view of the application - raports





