

Safe and Sober

Alcohol Interlocks in Europe

Agenda

- CENELEC standards

European Committee for Electrotechnical Standardization is responsible for European [standardization](#) in the area of [electrical engineering](#).

- Types of applications of alcohol interlocks

- How the alcohol interlock works

CENELEC Standards

- EN 50436-1 : Instruments for drink-driving-offender programs
- EN 50436-2 : Instruments having a mouthpiece and measuring breath alcohol for general preventive use
- TR 50436-3 : Guidance for decision makers, purchasers and users
- EN 50436-4 : Connectors for the electrical connection between the alcohol interlock and the vehicle
- EN 50436-5 : Instruments not having a mouthpiece and measuring breath alcohol for general preventive use
- EN 50436-6 : Data security
- EN 50436-7 : Installation of alcohol interlock

EN 50436-1 : Instruments for drink-driving-offender programs

- **European Countries with Compliance Programs**
- Belgium
- Finland
- France
- Netherlands*
- Poland
- Sweden
- Ireland *

Compliance Monitoring Programs

- Developed to prevent individuals from drinking and driving.
- Monitors and restricts the behavior of driver that have been convicted of drinking and driving.
- Protects the public.
- Ensuring the drivers remain in the driving licensing system under the control of the authorities.
- Technology has made it very difficult for drivers to circumvent the system.
- Devices now have a range of features that can be customized to meet the requirements of the various jurisdictions such as camera and real time reporting.

Effectiveness

- **How effective is it?**
- Research shows that alcohol interlocks reduce recidivism among first and repeat offenders including hardcore offenders.
- Studies have demonstrated behavioral changes on participants of the alcohol interlock programs.
- Reducing re-arrest rates. Studies in the United States have suggested re-arrest rates for alcohol impaired driving was reduced by 67% after alcohol interlocks had been installed compared to those with just a suspended license.

EN 50436-2 : General preventive use

- Proactive safety use of alcohol interlocks to prevent drinking and driving.
- Mandated in school transportation in France and Finland.
- Used in commercial fleets, construction and mining vehicles.
- Private personal use for added family safety
- Vehicles can be monitored through a web based data management program by the company administrator
- Customizable settings for need the requirements of the organization
- Presently used in fleets in many European countries

Optional Features

- **Camera:**
 - Takes a picture of the driver blowing into the device at the time of the test.
 - Stores the image for future reference
- **Telematics Integration:**
 - Transmits in real time alcohol results and vehicle location
 - Many suppliers of telematics are able to integrate with alcohol interlock manufacturers
- **WiFi:**
 - Transmits data to fleet reporting systems upon returning to vehicle depot
 - Email or SMS alerts can be sent to fleet managers
- **GPRS:**
 - Allows real time transmission of critical events.

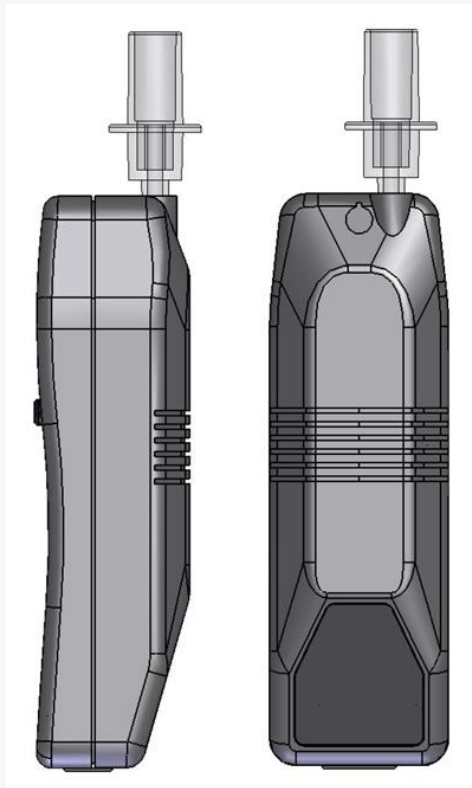
Application of ALCOLOCK OEM



Automotive OEM

- OEM installation into buses & trucks
- Installation into lighter vehicles such as taxis
- Applicable to all kinds of vehicles in markets





ALCOLOCK V3

V3 MARKET

OEM and automotive market

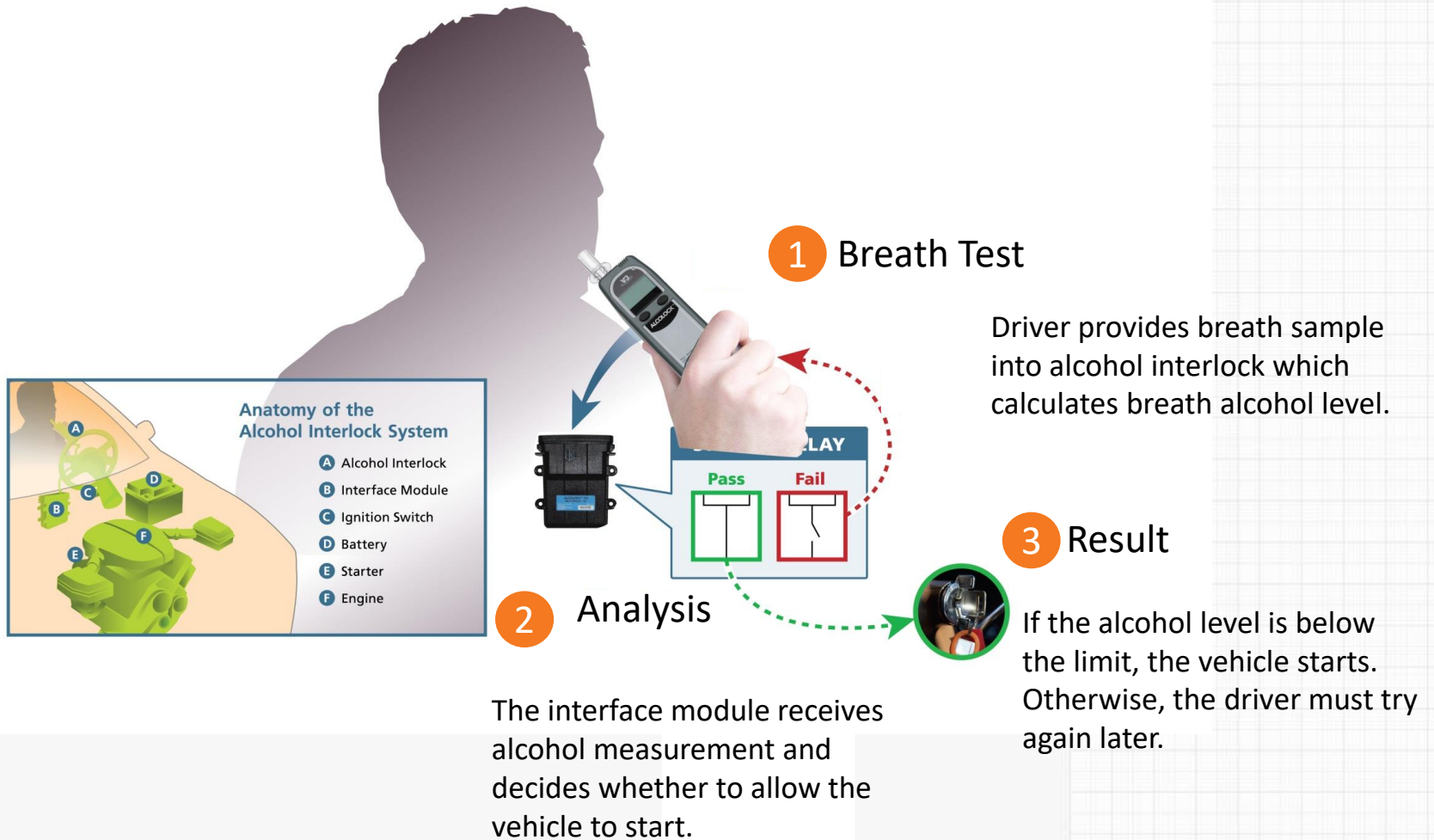
Person carrying OEM and Automotive market.

Freight transport OEM and Automotive market

INFORMATION

The ALCOLOCK V3 measures the concentration of alcohol in the air exhaled by the driver. This unit is designed to be installed on all motor vehicles (car, truck, bus, boat, commercial vehicle, ...)

How does Alcohol Interlock work?





SAFETY. IN THE PALM OF YOUR HAND.

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