

# Safe and Sober

## Alcohol Interlocks in Europe

July 2017

# Agenda

- Cenelec standards
- 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 50436-1 : Instruments for drink-driving-offender programs

- **Current European Countries with Compliance Programs**
- Belgium
- Denmark
- Finland
- France
- Netherlands
- Poland

# 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 V3 – OEM

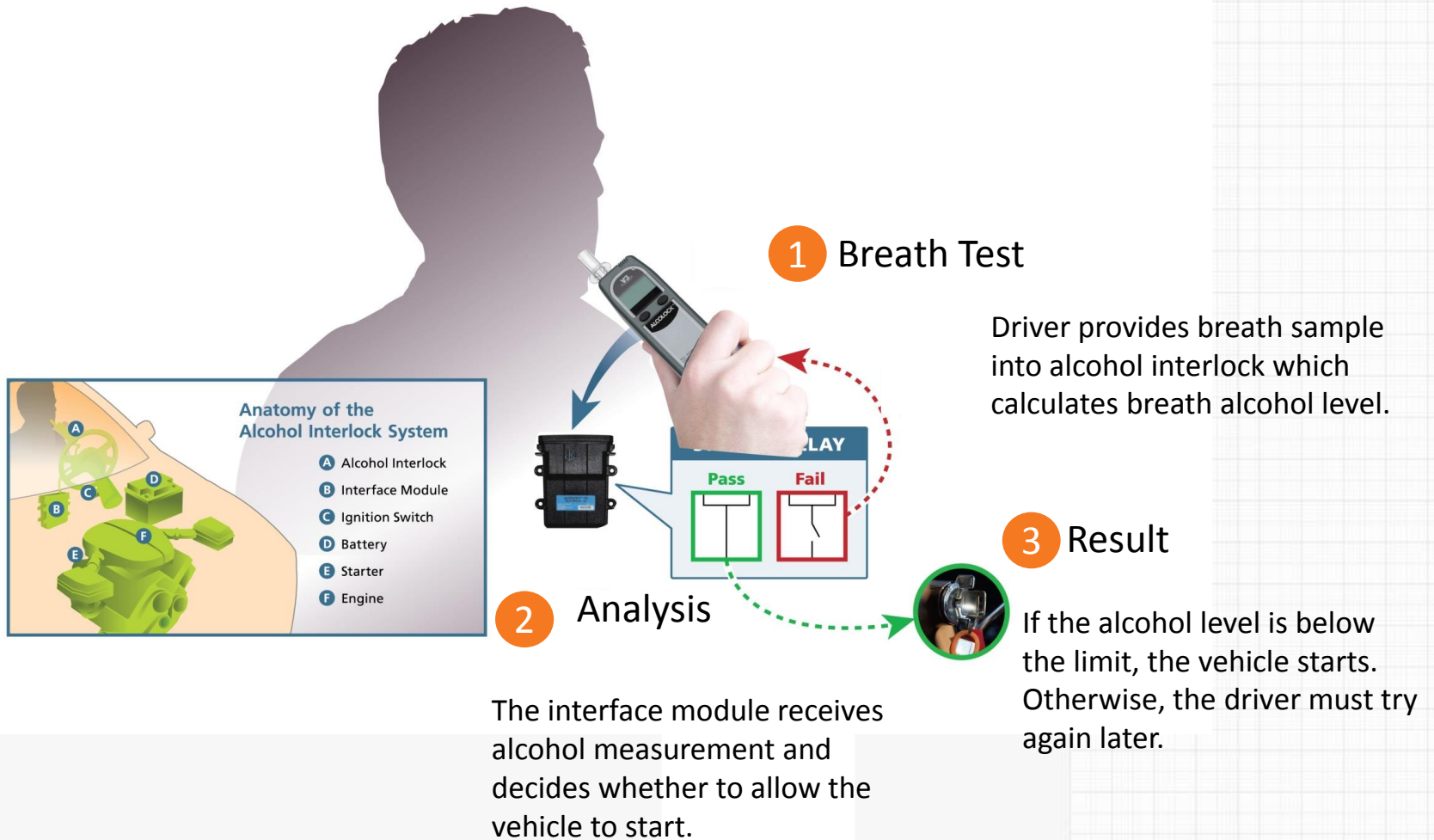


## Automotive OEM

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



# How does Alcohol Interlock work?





# SAFETY. IN THE PALM OF YOUR HAND.

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