

# SAFETY OUR STRONGEST COMMITMENT

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# A GLOBAL LEADER IN SUSTAINABLE TRANSPORTATION

VOLVO



RENAULT TRUCKS



UD TRUCKS



MACK



EICHER



VOLVO PENTA



SDLG



PREVOST



NOVABUS



The Volvo Group is one of the world's leading manufacturers of trucks, buses, construction equipment, drive systems for marine and industrial applications. The Volvo Group also provides complete solutions for financing and service.





# ZERO

accidents with  
Volvo Group products

# Learning from accidents – since 1969

- Accident Research Team on standby
- Unique knowledge gathered
- Active international cooperation



# In the hands of the human factor

10%



Vehicle-related

30%



Road environment

90%



Driver-related

**distraction**

**alcohol**

**speed**

**no seat belt used**



# 1/3 of fatal accidents are alcohol-related

- Over 25,000 people are killed in the EU annually.  
**That's like a major air crash every day!**
- Every third or fourth fatal accident can be linked to alcohol consumption.
- Around 6,000 people are killed in alcohol-related road accidents.
- Trucks are not over-represented, but accidents involving trucks are often severe



# Volvo has accepted the challenge

2002:

Alcohol interlock available as an accessory

2005:

Factory-fitted interlock

2006:

Alcohol testers on ferries

2007:

Third generation introduced

2008:

Commercial introduction in several countries

2013 - 2015:

Joined ETSC\* *Safe & Sober* Campaign



\*European Traffic Safety Council





# Volvo Alcolock

- A breath alcohol tester (BrAC)
- Integrated into the vehicle's systems
- Prevents an intoxicated person from driving
- The vehicle can only be started after an approved alcotest result
- Electro-chemical, fuel cell
  - Alcohol-specific and very accurate
  - Factory default setting 0,2 per mille
- The factory fitted alcolock is ADR-adapted



# How to use the alcohol interlock

- The driver must blow for 5 seconds to start the vehicle
- No need to test again after shorter stops
- No retests while driving
- Each test is logged and registered in the device
- Programmable for the individual needs of large operations



# Service

- Calibration every 12 months
- Service code for override function
- Volvo Action Service available



# The responsibility of the employer

- Inform and involve
  - Properly introduced alcohol interlocks increase awareness of traffic safety and reduce accidents
- When someone tests positive
  - You will need an agreed plan to deal with the situation
  - Consider a support system for the employee, regular offenders need appropriate help
  - Reward honesty



# Alcolocks – Future trends & challenges

- Increased interest, awareness and demand
- Quality ensurance mechanism
- Testing for other drugs
- Harmonised technical standards and legislation
- Change of attitudes/culture needed
- Alcolocks vs automated vehicles



# Challenges & opportunities – Alcolocks & Automation

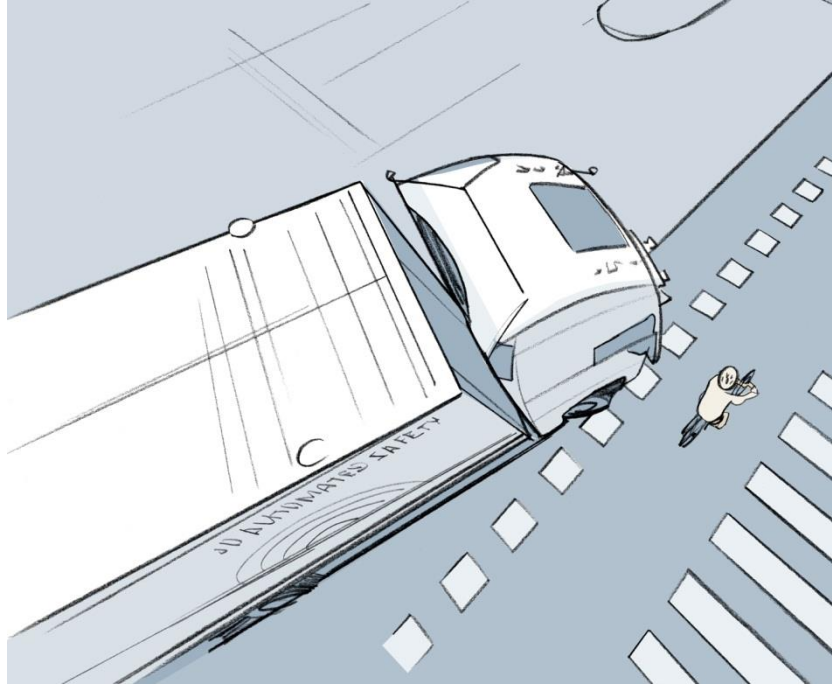
- **Technology** (vehicle tech vs interlock tech, aftermarket vs embedded etc)
- **Standards & Regulation** (harmonisation and interoperability)
- **Research & Cooperation** (e.g. DADSS)
- **Integrity & Privacy** (data protection concerns)
- **Liability & Accountability**
- **Social Acceptance** (Change of attitudes/culture, awareness raising)

# Zero Accidents – A Shared Effort

**POLICIES AND  
REGULATIONS**



**VEHICLE  
TECHNOLOGY**



**EDUCATION AND  
AWARENESS**



**RESEARCH AND  
COOPERATION**





**Thank you!**