

# SYSTEMS PREVENTING DRIVING UNDER THE INFLUENCE OF ALCOHOL

**ilteo**  
SYSTEM

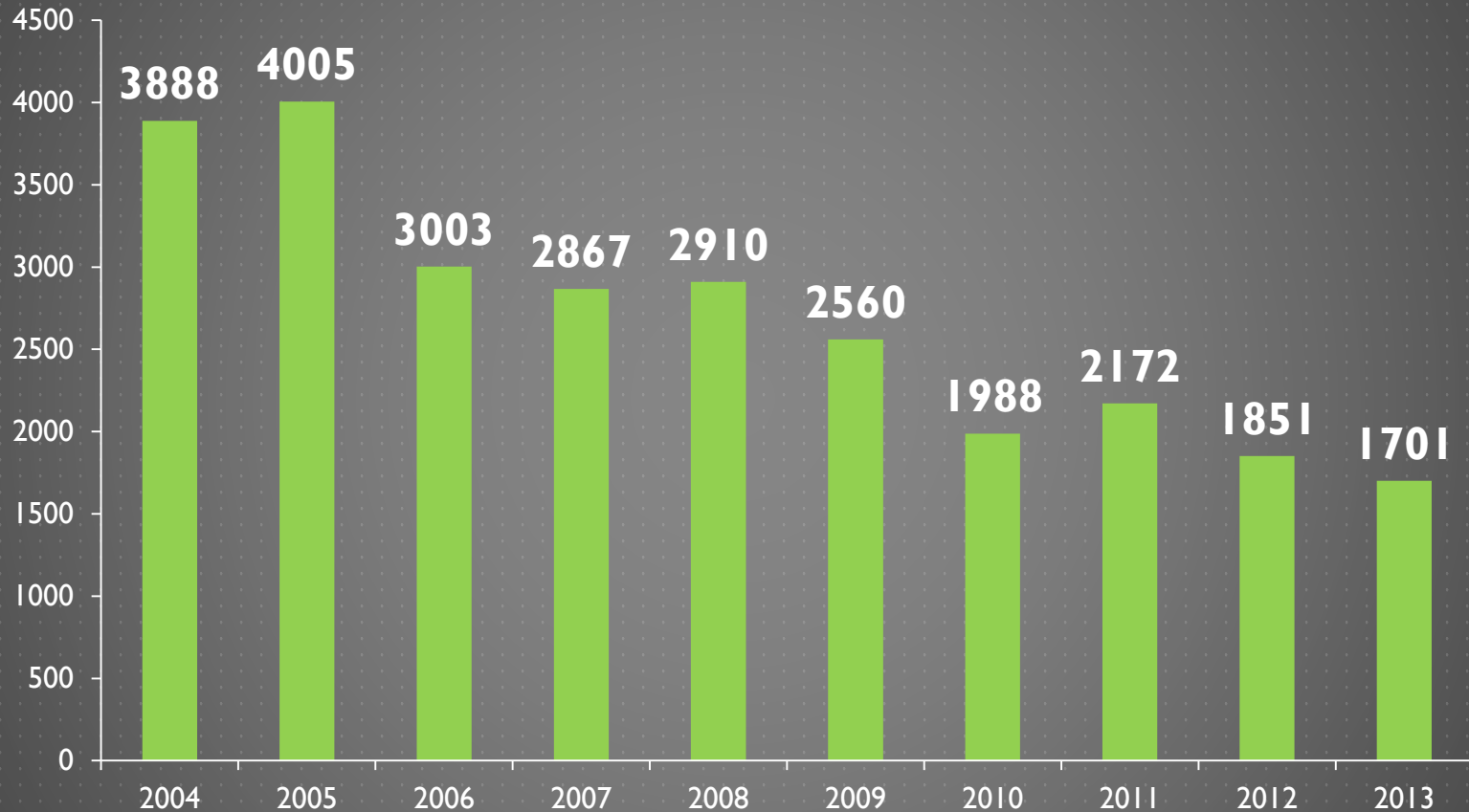


# “Controlled plague. Introduction of alcohol interlock devices in Poland.”



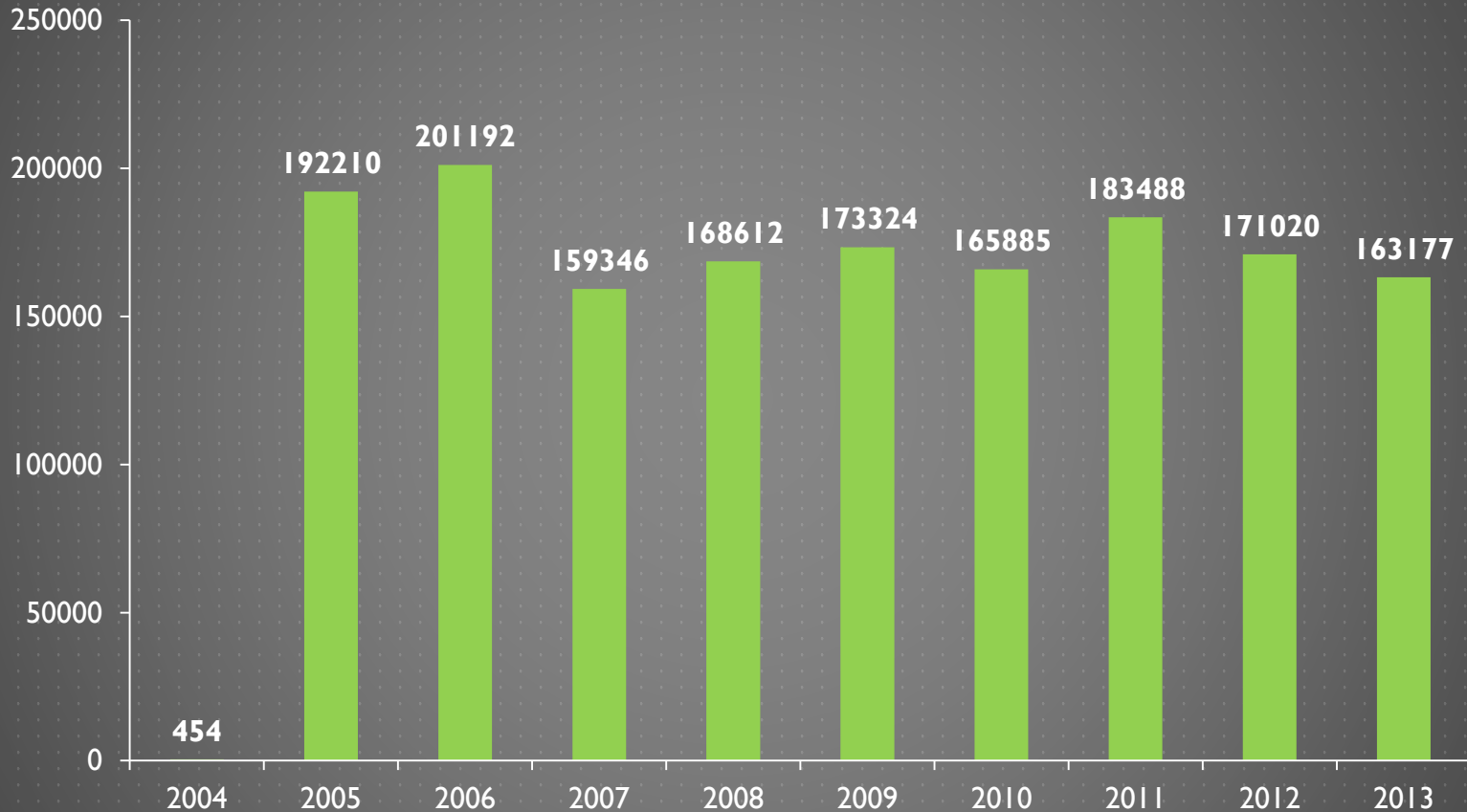
# FACT 1

## ROAD ACCIDENTS INVOLVING DRUNK DRIVERS WITHIN THE PERIOD FROM 2004-2013



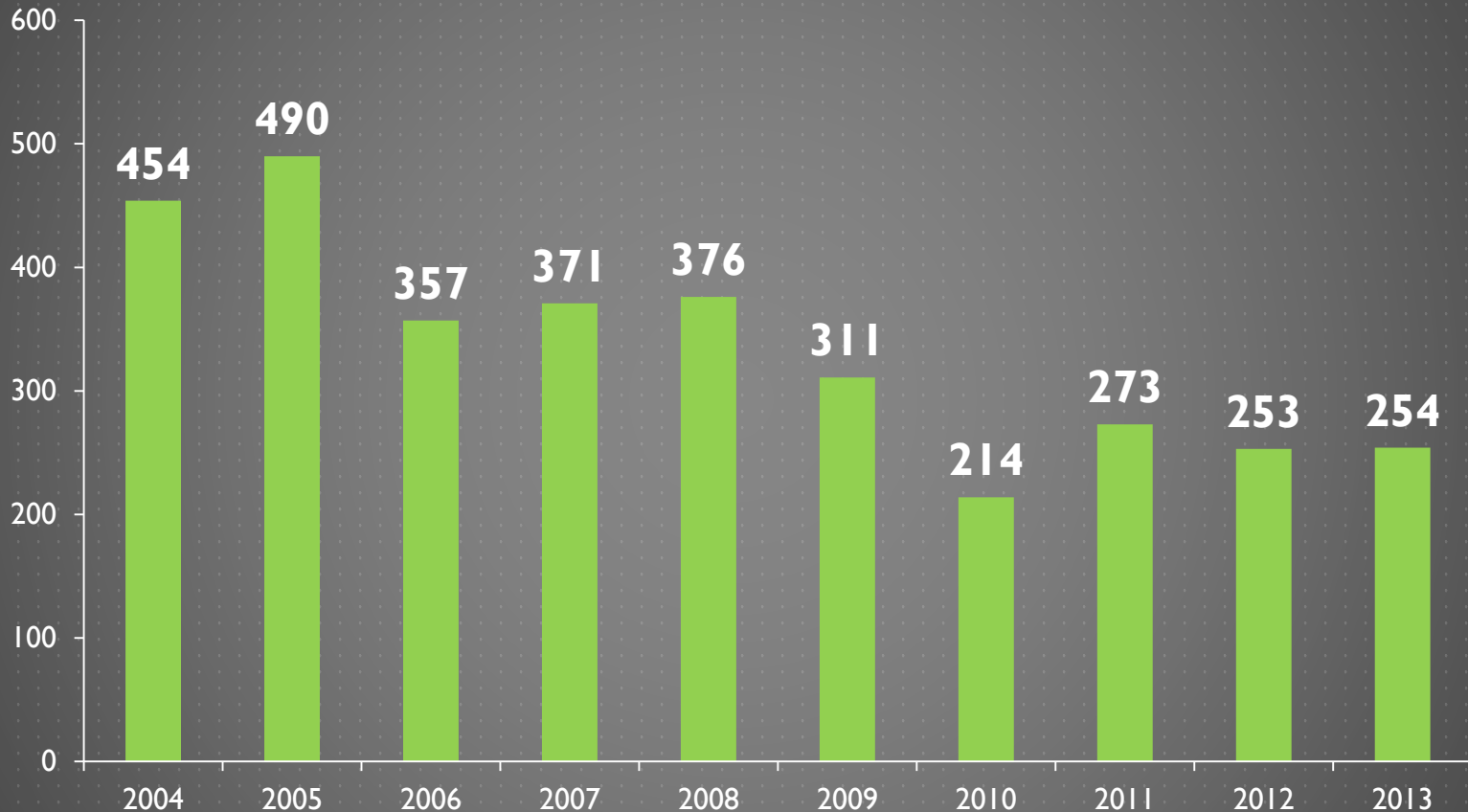
# FACT 2

## NUMBER OF DRUNK DRIVERS REVEALED WITHIN THE PERIOD FROM 2004-2014



# FACT 3

## NUMBER OF VICTIMS OF ACCIDENTS INVOLVING DRUNK DRIVERS WITHIN THE PERIOD FROM 2004-2013



# ADDITIONAL FACTS - part 1: 1

## "INTERESTING FACTS" REGARDING INTOXICATED PERSONS FROM THE PERIOD 2004-2013

- The age group most exposed to this risk are persons aged 25-39
- The highest numbers of drunk drivers are recorded during weekends. In the following sequence: Sunday, Saturday, Friday.
- The peak hours for revealing drunk drivers and accidents involving them are the hours between 4:00 p.m. and 11 p.m.
- Probably every fifth Pole has already driven a vehicle under the influence of alcohol.
- Probably 10% of Poles belong to the group of "unaware drunk drivers", which means they drive a vehicle not knowing that alcohol concentration exceeds permissible norms.
- Probably these 10% of Poles pose a comparable threat as a person intoxicated as a result of previous evening fatigue (with zero alcohol content).

# ADDITIONAL FACTS - part: 2

## "INTERESTING FACTS" REGARDING INTOXICATED PERSONS FROM THE PERIOD 2004-2013

- In 2011 World Bank estimated, that every fatality corresponds to a cost for the state at the level of PLN 1.5 mio.
- Average cost of loss adjustment incurred by the insurer amounts to PLN 2500 per one car involved in a car accident.
- The amount for detaining every drunk driver is forecast at the level of PLN 1000. This amount includes such costs as:
  - a. Court fees and costs.
  - b. Costs of detoxification detention centre.
  - c. Custody-related costs.
  - d. Other administrative costs.

# ADDITIONAL FACTS - part: 2

## "INTERESTING FACTS" REGARDING INTOXICATED PERSONS FROM THE PERIOD 2004-2013

Numbers	Financial Data (amount per incident)			
	2013	2013	2013	Total for 2013
Number of drunk drivers	163,177	Costs of loss adjustment	1,000	163,177,000
Number of collisions (involving drunk drivers)	1,701	Costs for the insurer	2,500	4,252,500
Number of fatalities	254	Loss for the State budget	1,500,000	381,000,000
		Total	1,503,500	548,429,500



# Pilot research

Poles want alcolocks to be installed in all vehicles

Every driver after getting into a car should be tested for alcohol intoxication - according to **95% respondents** of the survey carried out in public transport buses in Katowice.



# Pilot research

We also want to check ourselves.

**100% of surveyed women and 47.5% of surveyed men** answered "all" to the option: before starting a car. 10% of male respondents believe that alcohol interlock systems should be used by private car drivers, and 42% answered that these systems should be used only by the drivers who work in public transport: truck, taxi and bus drivers.



# Pilot research

## Alcolock for drivers caught red-handed

From among 339 persons who, in the survey published by portal wyborcza.biz.pl, answered the question "Would you install in your car an ignition interlock system activated when the driver is intoxicated?" **most of the respondents** - 189 persons (**56%**) **said "yes"**, 142 persons (42%) - no, and 8 (2%) said they had no opinion on this subject.

Results of the survey published by wyborcza.biz

"Would you install in your car an ignition interlock system activated when the driver is intoxicated?"

**56% - yes (189)**

**42% - no (142)**

**2% - I don't know (8)**

**Number of submitted responses 339**

# Pilot research

## Additional surveys

Would you blow into the device instead of someone just to enable the engine to be started?

(Women/Men)

**Yes: 0**

**No: 100% (400)**

**I don't know: 0**



# Pilot research

## Additional surveys

Do you feel safe knowing that the bus you are riding in is equipped with an anti-alcohol system?

**Yes: 100% (400)**

**No: 0**

**I don't know: 0**

# Potential users?



# Potential users - public utility facilities

Public utility facilities, but also by the programmes supporting purchase of such devices by European Union and local and state budgets (subsidies, loans, shared costs).



# Proposal - Potential users – recidivists

Recidivists with a driving ban for a specified period of time. When the suspension of driving license expires, it should be required to install an interlock system. Declaration of the accused of accepting additional penalty, namely assembly of the device, should be given at the moment of court judgement formulation. Driver loses his license for a shorter period - but installs the lock, or loses the license and has to have the device installed under court order.

**NOTE:** At this point it is necessary to provide in the identity card or vehicle registration card information about device installation requirement in the form of a special sticker.

Thanks to this it will be easier for the police to control the recidivists. It is also proposed to additionally mark recidivist's car with a lamp or specially designed sticker on the window at the level of rear-view mirror.





# Potential users - young drivers



For young drivers with responsible parents. The latter try to raise and educate young drivers, but peer pressure was, is and always will be an issue.

# Proposal - Potential users – every motivated person

## Lower rates for motor insurance

For all persons supported by insurance company with an additional discount in the case of installation of such systems. In the case of ilteQ-a this is additionally an anti-theft device that identifies the person who is being tested.



# Proposal - Potential users – driving schools

## Changes in the current principles for training drivers

Driving schools - it is difficult to solve the problem at one moment, with such a huge group of irresponsible persons at different age. However it is possible to start educating and accustoming young people to drive sober in a controlled manner. The first signal, both in a theoretic as well as real dimension, by installing alcolock device in the training vehicle, should be given already during the driving classes. ilteQ system will be also available in the version of non-contact mouth piece.



# Proposal - Educating since childhood

Information at schools - campaign already at the level of primary and upper primary schools during technical classes. Why? For example, to teach children how to react to the drunk driver (a vehicle is going in zigzags - I am taking a photo, calling my parents or emergency number, I use Noicall application), so - hiding in a safe place; how to react when someone loses consciousness (I am calling my parents or emergency services) and highlighting most important elements - keeping beverages safe from bees, nose bleeding, reaction to car accident (calling parents or emergency services)

# Proposal - Fund Project

Every manufacturer grants 20% discount on the device upon purchase by a recidivist. Regardless of the manufacturer and price.

The 20% value is entirely transferred by the supplier to the fund supporting victims of accidents involving drunk drivers.

The recidivist pays full amount - the amount corresponding to 20% of device value is transferred by the supplier.

**Target value amounts to more than PLN 100 million.**

## Objective:

- State legislation, but also savings due to introduction of the fund.
- Permanent income for the manufacturers, even with the 20% discount.
- We are not perceived as a company exercising mobbing for introduction of alcolock devices.
- Social aspect related to funds organization.

# Joint efforts are more effective



# ilteQ is a product addressed to...

- Fleets of business cars owned by private or public enterprises.
- Public utility vehicles: public transport vehicles.
- Fleets of transport companies (buses, vans, heavy goods vehicles)
- Taxi corporations.
- Young drivers.
- Private car users.
- Construction companies: Operators of diggers, rollers, etc.

# How does ilteQ work?

The system is composed of three modules:

1

Activation module, namely the testing device with a mouthpiece, into which the driver has to exhale air after getting into a car. When the concentration of alcohol in the exhaled air is analysed the module enables or disables car ignition.



2

Luminous and sound signals of the testing device informing whether we can drive the vehicle.



3

Special LED illumination system placed on the car window - provides other traffic participants information about vehicle status: "safe" or "unsafe".





# Benefits for the user

- ❖ Safety for vehicle driver and passengers.
- ❖ Avoiding the risk of causing an accident under the influence of alcohol.
- ❖ Possibility of self-check.
- ❖ Additional anti-theft facility for the vehicle.

# Benefits for other people

- ❖ Increased safety on the roads.
- ❖ Elimination of drunk drivers from road traffic.
- ❖ Reduced number of accidents caused by drunk drivers.
- ❖ Reduced number of recidivists.



**Thank you for your attention**

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