STSS
Smart Traffic Safety Systems

STSS
smartbumps.com

SMART
Bumps

AN INTELLIGENT WAY TO CALM TRAFFIC

While saving the environment

Safer Streets

Better Driving Experience

Decreased Pollution

Lower Fuel Consumption

BE SAFE. DRIVE SMART.

We save lives, we save money and we save the enviroment

Why?

Everybody hates speed bumps… so WHY do we have them on our streets?

Did you know?
Speed bumps increase pollution by 47 to 60%

The answer is simple....   thay SAVE LIVES!!!

However, this comes at a **high cost**, as speed bumps:
- are inconvenient for EVERYBODY, not only for fast drivers
- increase **fuel consumption** by at least 50%
- increase **pollution** in their neighborhood
- slow emergency vehicles **risking lives** of ones in need of help

Did you know?
A typical speed bump wastes 8 tons of fuel per year

*more detailed info about the real cost of speed bumps on: http://smartbumps.com/the-cost-of-speed-bumps/

What if......

What if we had a smart way to accomplish the same effect as the speed bumps do, but without the huge cost?
What if:
- we punish only the fast drivers
- we don't increase the pollution
- we don't increase the fuel consumption
- we allow emergency vehicles to go faster to save lives of ones in their need

" **This is great!** "
(feedback from the principle of the school where we've put a Smart Bump).

Did you know?
A SmartBump pays for itself in less than a year

The solution: Smart Bumps

The way our system works is very simple…
First, we measure your speed, and if you drive within the limit, you have a flat road.
However, **IF, and only if,** you are speeding, you will experience the same effect as going over a speed bump, or as we like to say – you will be '**warned**'.

The result: **calmer traffic and safer streets**. Because we 'warn' only the fast drivers, we avoid the bad side effects of traditional speed bumps. If we put a Smart Bump instead of a traditional speed bump, we will have the following benefits:
- We will not annoy all drivers
- We will significantly decrease pollution around the speed bump
- We will decrease fuel waste by 8 tons per year
- We will reduce the CO2 emission

Did you know?
Speed bumps increase consumption by up to 60%

Smart Bump for fast drivers - like a regular speed bump

Smart Bump for slow drivers - a flat road

Our system has several additional benefits:

- Reduced traffic congestion
- We can use them in bus lines, where speed bumps are not allowed
- We can let emergency vehicles go faster, therefore saving more lives
- We can have many advanced features, like remote configuration, gathering statistics, different speed limits during different time…

Did you know?
CO2 footprint of a speed bump is 20 tons per year

The effect: Speeding vehicles dropped to less than 5% after only one month of operation and are getting even lower since then.

Did you know?
Every time you go over a speed bump you waste 4.5 grams of fuel

Patent of the year award.
Gold medal award on several innovation fairs.

It is safe to say, **everybody** is our user.

WHO did we make our product for?

- Everybody that drives a car to work, or to their friends, or to their favorite mall and hates being tortured every time they pass over a speed bump
- Pedestrians, cyclists, and everybody passing the residential streets need to be safe from speeding vehicles
- Our kids, that need to breathe cleaner air

We have the only traffic calming system that:

- Punishes only the speeding drivers
- Reduces pollution
- Has possibility for dynamic settings
- Has so many additional advanced features
- Pays for itself

Smart Bumps - For safer streets

STSS
Smart Traffic Safety Systems

Supported by:

FUND
FOR INNOVATIONS
AND TECHNOLOGY DEVELOPMENT