

## Intelligent speed bumps that only activate if you don't respect the speed limit

**LOCATION:** Málaga

**DURATION:** 1'28"

**SUMMARY:** There is a new kind of speed bump that barely exists if your vehicle respects the speed limit, but hardens if you don't. An entrepreneur from Málaga has developed this bump alongside the Badennova company. Inside there is a non-Newtonian liquid that, at slow speeds behaves like a liquid, but at high speeds hardens on impact to create a bump. It is being implemented in Spanish territory and every day there are more requests for it from countries such as the United States or Argentina.

### VTR:

José Antonio Aguilera delivered household appliances, and speedbumps were very damaging for his work, so he decided to look for a solution and found one in intelligent speed bumps.

**JOSÉ ANTONIO AGUILERA**  
**Badennova**

*"It occurred to me how speed bumps could be, or how I would like them to be, and this is what made me start designing."*

It works very easily. If the vehicle respects the speed limits they will barely notice the bump, but if they go too fast, the speed bump will do its job.

**JOSÉ ANTONIO AGUILERA**  
**Badennova**

*"It uses non-Newtonian fluids, which is a liquid that behaves like a liquid at slow speeds, and when there is a strong impact it hardens. So, we succeeded in making the speed bump practically imperceptible at slow speeds, but it exists for those who don't follow the speed limit."*

They have started to extend all over Spain, starting in the Villanueva de Tapia municipal where they have installed one of these intelligent speed bumps. Among the benefits is the possibility of a reduction of traffic accidents and less damage done to the vehicle.

**ENCARNACIÓN PÁEZ**  
**Mayor of Villanueva de Tapia**

*"The pilot town is very important in an experience such as this. So is the area where it was placed, because the speed has been drastically reduced."*

Northern European countries, the United States, Saudi Arabia, and Argentina have shown interest in this invention.

**ÁLVARO JOSÉ ARENAS**  
**Badennova**

*"There have been many emails and calls about seeing it in person, doing tests to see how it functions, and wanting to know if everything they are seeing and hearing is true."*

They have already been received various awards, such as the National Award for Road Safety granted by Fesvial, and the prize in the category of Innovation in Road Safety in the Intertraffic Trade Show of Amsterdam.

For more information or support please email [info@historiasdeluz.es](mailto:info@historiasdeluz.es)